<N30/09/2003Page 1 16:36 <golam sham <mm/dd/yyyy

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1626gms

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	SEP 09	CA/CAplus records now contain indexing from 1907 to the present
NEWS 4	Jul 15	Data from 1960-1976 added to RDISCLOSURE
NEWS 5	Jul 21	Identification of STN records implemented
NEWS 6	Jul 21	Polymer class term count added to REGISTRY
NEWS 7	Jul 22	INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS 8	AUG 05	New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS 9	AUG 13	Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 10	AUG 15	PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS 11	AUG 15	PCTGEN: one FREE connect hour, per account, in September 2003
NEWS 12	AUG 15	RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS 13	AUG 15	TEMA: one FREE connect hour, per account, in September 2003
NEWS 14	AUG 18	Data available for download as a PDF in RDISCLOSURE
NEWS 15	AUG 18	Simultaneous left and right truncation added to PASCAL
NEWS 16	AUG 18	FROSTI and KOSMET enhanced with Simultaneous Left and Righ Truncation
NEWS 17	AUG 18	Simultaneous left and right truncation added to ANABSTR
NEWS 18	SEP 22	DIPPR file reloaded
NEWS 19	SEP 25	INPADOC: Legal Status data to be reloaded
NEWS 20	SEP 29	DISSABS now available on STN

NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation

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of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 16:22:21 ON 30 SEP 2003

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 16:22:37 ON 30 SEP 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 SEP 2003 HIGHEST RN 594810-89-6
DICTIONARY FILE UPDATES: 28 SEP 2003 HIGHEST RN 594810-89-6

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

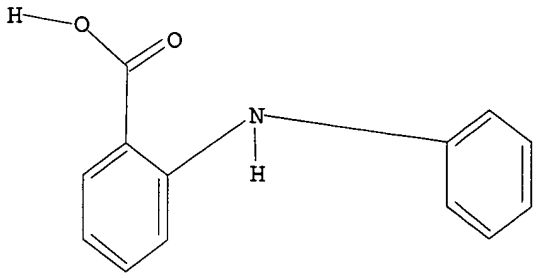
Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 09889106.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

<N30/09/2003Page 3 16:36 <golam shameemm/dd/yyyy



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 16:23:02 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 223 TO ITERATE

100.0% PROCESSED 223 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 3565 TO 5355
PROJECTED ANSWERS: 1606 TO 2874

L2 50 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 16:23:10 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 4640 TO ITERATE

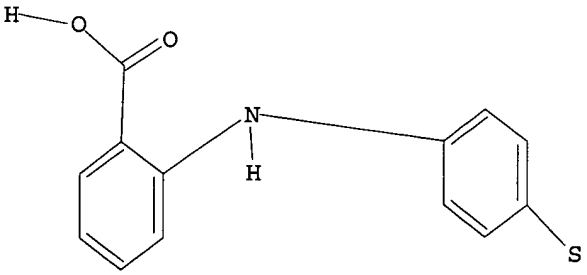
100.0% PROCESSED 4640 ITERATIONS 2331 ANSWERS
SEARCH TIME: 00.00.01

L3 2331 SEA SSS FUL L1

=>
Uploading 09889106a.str

L4 STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4 STR



09889106

<N30/09/2003Page 4 16:36 <golam sham <mm/dd/yyyy

Structure attributes must be viewed using STN Express query preparation.

=> s l4
SAMPLE SEARCH INITIATED 16:24:31 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 24 TO ITERATE

100.0% PROCESSED 24 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 187 TO 773
PROJECTED ANSWERS: 3 TO 163

L5 3 SEA SSS SAM L4

=> s l4 sss full
FULL SEARCH INITIATED 16:24:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 359 TO ITERATE

100.0% PROCESSED 359 ITERATIONS 51 ANSWERS
SEARCH TIME: 00.00.01

L6 51 SEA SSS FUL L4

=> FIL CAPLUS
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 297.10 297.31

FILE 'CAPLUS' ENTERED AT 16:24:49 ON 30 SEP 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 30 Sep 2003 VOL 139 ISS 14
FILE LAST UPDATED: 29 Sep 2003 (20030929/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l6
L7 44 L6

=> FIL REGISTRY

09889106

<N30/09/2003Page 5 16:36 <golam sham <mm/dd/yyyy

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.25	298.56

FILE 'REGISTRY' ENTERED AT 16:26:29 ON 30 SEP 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 SEP 2003 HIGHEST RN 594810-89-6
DICTIONARY FILE UPDATES: 28 SEP 2003 HIGHEST RN 594810-89-6

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

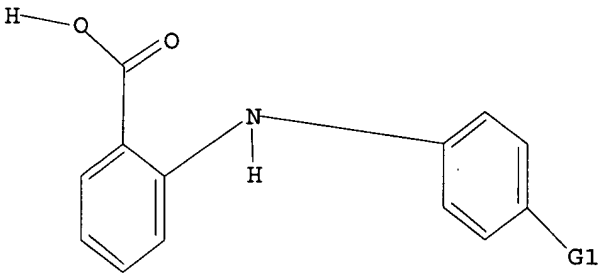
=>
Uploading 09889106a.str

L8 STRUCTURE UPLOADED

=>
Uploading 09889106a.str

L9 STRUCTURE UPLOADED

=> d l9
L9 HAS NO ANSWERS
L9 STR



G1 Ak,S

Structure attributes must be viewed using STN Express query preparation.

=> s l9

09889106

<N30/09/2003Page 6 16:36 <golam sham <mm/dd/yyyy

SAMPLE SEARCH INITIATED 16:31:07 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 223 TO ITERATE

100.0% PROCESSED 223 ITERATIONS 21 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 3565 TO 5355
PROJECTED ANSWERS: 146 TO 694

L10 21 SEA SSS SAM L9

=> s l9 sss full
FULL SEARCH INITIATED 16:31:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 4640 TO ITERATE

100.0% PROCESSED 4640 ITERATIONS 444 ANSWERS
SEARCH TIME: 00.00.01

L11 444 SEA SSS FUL L9

=> FIL CAPLUS
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 150.95 449.51

FILE 'CAPLUS' ENTERED AT 16:31:21 ON 30 SEP 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1907 - 30 Sep 2003 VOL 139 ISS 14
FILE LAST UPDATED: 29 Sep 2003 (20030929/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l11
L12 323 L11

=> d his

(FILE 'HOME' ENTERED AT 16:22:21 ON 30 SEP 2003)

FILE 'REGISTRY' ENTERED AT 16:22:37 ON 30 SEP 2003
L1 STRUCTURE UPLOADED
L2 50 S L1

<N30/09/2003Page 7 16:36 <golam sham <mm/dd/yyyy

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L3          2331 S L1 SSS FULL
L4               STRUCTURE UPLOADED
L5             3 S L4
L6            51 S L4 SSS FULL

     FILE 'CAPLUS' ENTERED AT 16:24:49 ON 30 SEP 2003
L7            44 S L6

     FILE 'REGISTRY' ENTERED AT 16:26:29 ON 30 SEP 2003
L8               STRUCTURE UPLOADED
L9               STRUCTURE UPLOADED
L10           21 S L9
L11          444 S L9 SSS FULL

     FILE 'CAPLUS' ENTERED AT 16:31:21 ON 30 SEP 2003
L12          323 S L11

=> s l12 and p/dt
       4188194 P/DT
L13         140 L12 AND P/DT

=> s l13 and us/pc
       1220102 US/PC
L14          71 L13 AND US/PC

=> s l14 and py<=1999
      19719660 PY<=1999
L15          56 L14 AND PY<=1999

=> d l15 ibib abs hitstr tot1-20
'TOT1-20' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS --------- GI and AB
ALL --------- BIB, AB, IND, RE
APPS -------- AI, PRAI
BIB --------- AN, plus Bibliographic Data and PI table (default)
CAN --------- List of CA abstract numbers without answer numbers
CBIB -------- AN, plus Compressed Bibliographic Data
DALL -------- ALL, delimited (end of each field identified)
DMAX -------- MAX, delimited for post-processing
FAM --------- AN, PI and PRAI in table, plus Patent Family data
FBIB -------- AN, BIB, plus Patent FAM
IND --------- Indexing data
IPC --------- International Patent Classifications
MAX --------- ALL, plus Patent FAM, RE
PATS -------- PI, SO
SAM --------- CC, SX, TI, ST, IT
SCAN -------- CC, SX, TI, ST, IT (random display, no answer numbers;
              SCAN must be entered on the same line as the DISPLAY,
              e.g., D SCAN or DISPLAY SCAN)
STD --------- BIB, IPC, and NCL

IABS -------- ABS, indented with text labels
IALL -------- ALL, indented with text labels
IBIB -------- BIB, indented with text labels
IMAX -------- MAX, indented with text labels
ISTD -------- STD, indented with text labels
```

<N30/09/2003Page 8 16:36 <golam sham <mm/dd/yyyy

OBIB ---------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

HIT --------- Fields containing hit terms
HITIND ------ IC, ICA, ICI, NCL, CC and index field (ST and IT)
containing hit terms
HITRN ------- HIT RN and its text modification
HITSTR ------ HIT RN, its text modification, its CA index name, and
its structure diagram
HITSEQ ------ HIT RN, its text modification, its CA index name, its
structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
structure diagram, plus NTE and SEQ fields
KWIC -------- Hit term plus 20 words on either side
OCC --------- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):end

=> d l15 ibib abs hitstr tot

L15 ANSWER 1 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2000:140618 CAPLUS
DOCUMENT NUMBER: 132:182031
TITLE: Microwave syntheses of quinacridones, 6,13-dihydroquinacridones, and 6,13-quinacridonequinones
INVENTOR(S): Badejo, Ibraheem T.
PATENT ASSIGNEE(S): Bayer Corporation, USA
SOURCE: U.S., 7 pp., Cont.-in-part of U.S. Ser. No. 933,459, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6031100	A	20000229	US 1998-63128	19980420 <--
EP 905199	A2	19990331	EP 1998-116840	19980907 <--
EP 905199	A3	19991027		
EP 905199	B1	20020508		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 11172137	A2	19990629	JP 1998-274242	19980911 <--

<N30/09/2003Page 9 16:36 <golam sham <mm/dd/yyyy

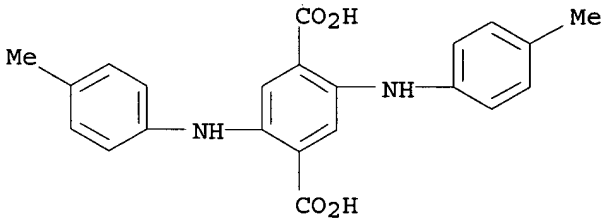
PRIORITY APPLN. INFO.: US 1997-933459 B2 19970918
US 1998-63128 A 19980420

AB Quinacridone pigments are prepd. by (a) exposing a reaction mixt. contg. (i) 1 part 2,5-dianilinoterephthalic acid (I), 2,5-dianilino-3,6-dihydroterephthalic acid, 2,5-dianilino-3,6-dioxo-1,4-cyclohexadiene-1,4-dicarboxylic acid (II), and/or derivs. thereof, (ii) 3-20 parts of a dehydrating agent, and (iii) 0-20 parts of a pigment additive to microwave radiation under conditions that raise the bulk temp. of the reaction mixt. to .ltorsim.250.degree., with the proviso that if component i is a 2,5-dianilino-3,6-dihydroterephthalic acid or deriv. thereof, reaction step a addnl. comprises an oxidn. step; (b) drowning the reaction mixt. in .apprx.3-15 parts of a liq. in which the quinacridone pigment is substantially insol.; (c) isolating the quinacridone pigment; and (d) optionally conditioning the pigment. Thus, a stirred soln. of 30 g I and 20 g II in 300 g polyphosphoric acid at 80.degree. was irradiated in a microwave oven (2450 MHz, 800 W) for 2.5 min, cooled to 150.degree., poured into 1.2 kg ice-water, filtered and washed to give 42.6 g of a solid soln. of quinacridone and 6,13-quinacridonequinone.

IT **10291-28-8**, 2,5-Di-p-toluidinoterephthalic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(quinacridone pigment manuf. by use of microwave radiation)

RN 10291-28-8 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



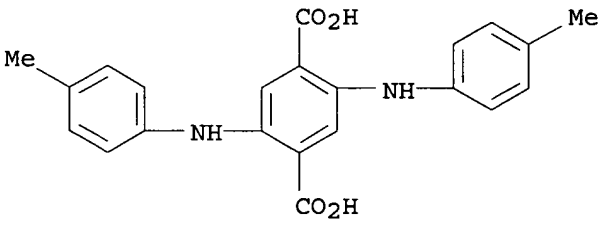
REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1999:708479 CAPLUS
DOCUMENT NUMBER: 131:338304
TITLE: Pigment derivatives, pigment compositions, and waterborne coatings containing them
INVENTOR(S): Badejo, Ibraheem T.; Rice, Daphne J.
PATENT ASSIGNEE(S): Bayer Corporation, USA
SOURCE: Eur. Pat. Appl., 13 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 953609	A2	19991103	EP 1999-107727	19990419 <--
EP 953609	A3	20000223		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6066203	A	20000523	US 1998-70970	19980501 <--

<N30/09/2003Page 10 16:36 <golam sha <mm/dd/yyyy

MX 9904000 A 20000831 MX 1999-4000 19990429
PRIORITY APPLN. INFO.: US 1998-70970 A 19980501
OTHER SOURCE(S): MARPAT 131:338304
AB The pigment derivs. have the formula Q[XNHZN[(CH2)nOH](CH2)pOH]m [I; Q is an org. pigment moiety; X = SO2, CO; Z = (un)substituted C2-8 alkylene; m = 1-4; n, p = 2-6]. Pigments (esp. quinacridones) are modified with the pigment derivs. either during or after synthesis. Thus, crude quinacridone was added to a mixt. of ClSO3H and SOCl2 during 30 min at <20.degree., and the product was amidated with H2N(CH2)3N(CH2CH2OH)2 to give a I with m = 1. 2,9-Dimethylquinacridone was prepd. by cyclization of 2,5-bis(p-toluidino)terephthalic acid (II) in polyphosphoric acid contg. 10% I (based on II) to give a magenta pigment compn. which produced water-based paints with a brighter and bluer tint than obtained with pigment produced by cyclization of II in the absence of the I.
IT **10291-28-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of quinacridone pigments in presence of quinacridonesulfonamide modifiers)
RN 10291-28-8 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 3 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1999:219847 CAPLUS
DOCUMENT NUMBER: 130:253670
TITLE: Microwave syntheses of quinacridones, 6,13-dihydroquinacridones and 6,13-quinacridonequinones at moderate temperatures
INVENTOR(S): Badejo, Ibraheem T.
PATENT ASSIGNEE(S): Bayer Corporation, USA
SOURCE: Eur. Pat. Appl., 8 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 905199	A2	19990331	EP 1998-116840	19980907 <--
EP 905199	A3	19991027		
EP 905199	B1	20020508		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6031100	A	20000229	US 1998-63128	19980420 <--

PRIORITY APPLN. INFO.: US 1997-933459 A 19970918
US 1998-63128 A 19980420
AB Quinacridone pigments are prepd. by (a) exposing a reaction mixt. contg.

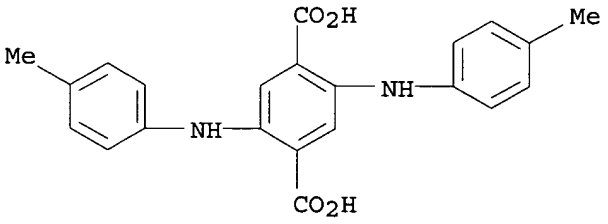
<N30/09/2003Page 11 16:36 <golam sha <mm/dd/yyyy

(i) 2,5-dianilinoterephthalic acid, 2,5-dianilino-3,6-dihydroterephthalic acid, 2,5-dianilino-3,6-dioxo-1,4-cyclohexadiene-1,4-dicarboxylic acid, and/or derivs. thereof, (ii) about 3-20 parts per part of component (a)(i) of a dehydrating agent, and (iii) 0-20 parts per part of component (a)(i) of a pigment additive, to microwave radiation under conditions that raise the bulk temp. of the reaction mixt. to .ltoreq.250.degree.; (b) drowning the reaction mixt. in about 3-15 parts per part of component (a)(i), of a liq. in which the quinacridone pigment is substantially insol.; (c) isolating the quinacridone pigment; and (d) optionally, conditioning the pigment. The process includes an addnl. oxidn. step if component (a)(i) is a 2,5-dianilino-3,6-dihydroterephthalic acid or a deriv. thereof. The pigments have higher purity and better coloring properties than pigments made by the thermal process. Thus, 300.0 g polyphosphoric acid (118%) were added in portions at 80.degree. to 30.0 g of 2,5-bis(phenylamino)terephthalic acid and 20.0 g of 2,5-dianilino-3,6-dioxo-1,4-cyclohexadiene-1,4-dicarboxylic acid and the stirred mixt. was irradiated in a microwave oven for 2.5 min, the reaction mixt. was cooled to 150.degree. and drowned in 1.2 kg of ice/water, the suspension was stirred, and the solid component was collected by filtration and washed with 8.0 L of water to yield a press-cake having a solid soln. pigment content of 42.6 g.

IT **10291-28-8**, 2,5-Bis(p-toluidino)terephthalic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclization of; in microwave syntheses of quinacridones, dihydroquinacridones and quinacridonequinones)

RN 10291-28-8 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)

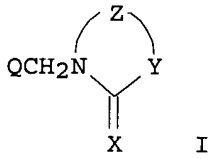


L15 ANSWER 4 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1999:166860 CAPLUS
DOCUMENT NUMBER: 130:210799
TITLE: Organic pigment compositions
INVENTOR(S): Badejo, Ibraheem T.; Rice, Daphne J.
PATENT ASSIGNEE(S): Bayer Corp., USA
SOURCE: Ger. Offen., 11 pp.
CODEN: GWXXBX
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19838142	A1	19990304	DE 1998-19838142	19980821 <--
US 5879444	A	19990309	US 1997-923743	19970902 <--
CA 2245318	AA	19990302	CA 1998-2245318	19980819 <--
GB 2329184	A1	19990317	GB 1998-19014	19980901 <--

<N30/09/2003Page 12 16:36 <golam sha <mm/dd/yyyy

GB 2329184 B2 20010905
PRIORITY APPLN. INFO.: US 1997-923743 A 19970902
OTHER SOURCE(S): MARPAT 130:210799
GI



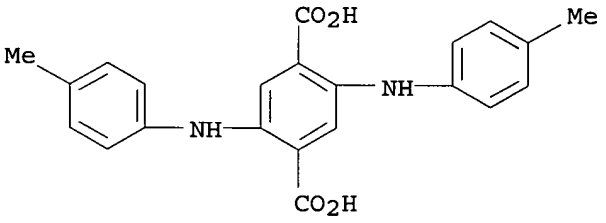
I

AB The compns. contain an org. pigment and 0.1-20 wt.% of an org. pigment deriv. to improve the rheol. properties and dispersibility, where the deriv. has the structure I [Q = chromophore residue; X = O, S, NR1; Y = O, NR2, direct link; Z completes a 4- to 7-membered heterocyclic ring which may be substituted and/or annelated; R1 = H, C1-6 alkyl, C7-16 aralkyl, CN; R2 = C1-6 alkyl, C5-7 cycloalkyl, C7-16 aralkyl, C6-10 aryl] with certain addnl. restrictions. Thus, 2,9-dimethylquinacridone, prepd. by cyclization of 2,5-bis(4-methylanilino)terephthalic acid in polyphosphoric acid at 123.degree., was mixed with 10% [(1-methyl-2,4-imidazolidinedion-3-yl)methyl]quinacridone to reduce the viscosity of its aq. dispersion.

IT **10291-28-8**, 2,5-Bis(4-methylanilino)terephthalic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclocondensation of)

RN 10291-28-8 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 5 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1999:111767 CAPLUS
DOCUMENT NUMBER: 130:169523
TITLE: Quinacridone mixed-crystal pigments, their preparation and use
INVENTOR(S): Urban, Manfred; Bohmer, Martin; Schnaitmann, Dieter
PATENT ASSIGNEE(S): Clariant G.m.b.H., Germany
SOURCE: Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

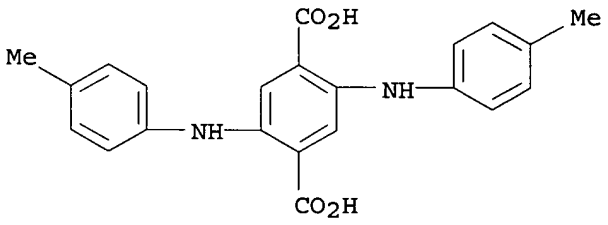
EP 896034	A1	19990210	EP 1998-113971	19980725 <--
EP 896034	B1	20020508		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 19733642	A1	19990211	DE 1997-19733642	19970804 <--
JP 11100521	A2	19990413	JP 1998-217902	19980731 <--
US 5989333	A	19991123	US 1998-127363	19980731 <--
CN 1210123	A	19990310	CN 1998-117860	19980803 <--
CN 1088079	B	20020724		

PRIORITY APPLN. INFO.: DE 1997-19733642 A 19970804
OTHER SOURCE(S): MARPAT 130:169523

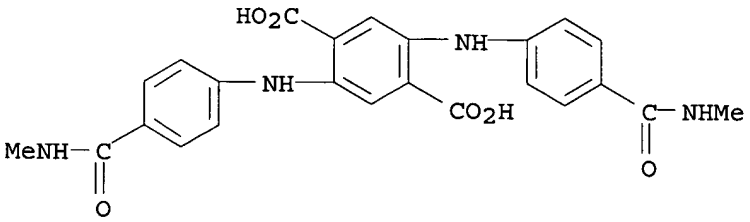
AB The pigments are mixts. of 85-99% unsubstituted .beta.-quinacridone and 1-15% of a sym. quinacridone bearing on each terminal benzene ring 1-2 substituents selected from Cl, Br, F, C1-4 alkyl, C1-4 alkoxy, and CONHR (R = H, C1-6 alkyl). Thus, a mixt. of 70.5 parts 2,5-dianilinoterephthalic acid and 7.8 parts 2,5-di-p-toluidinoterephthalic acid was cyclized by heating at 125.degree. in polyphosphoric acid, hydrolyzed in 30% H3PO4 at 140.degree., and cooled to give cocrystd. .beta.-quinacridone and 2,9-dimethylquinacridone as a red-violet pigment.

IT **10291-28-8**, 2,5-Di-p-toluidinoterephthalic acid **74539-52-9**
, 2,5-Bis[4-(methylcarbamoyl)anilino]terephthalic acid **220381-05-5**
, 2,5-Bis(3-chloro-4-methylanilino)terephthalic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclization; prepn. of quinacridone mixed-crystal pigments)

RN 10291-28-8 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)

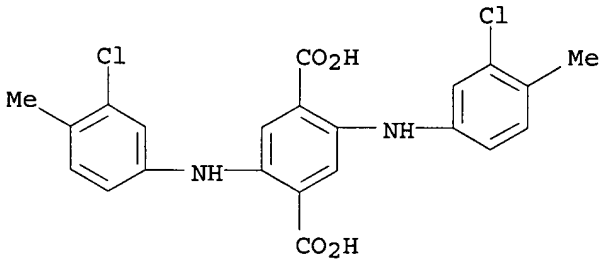


RN 74539-52-9 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[[4-[(methylamino)carbonyl]phenyl]amino]- (9CI) (CA INDEX NAME)



RN 220381-05-5 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(3-chloro-4-methylphenyl)amino]- (9CI) (CA INDEX NAME)

<N30/09/2003Page 14 16:36 <golam shameem/dd/yyyy

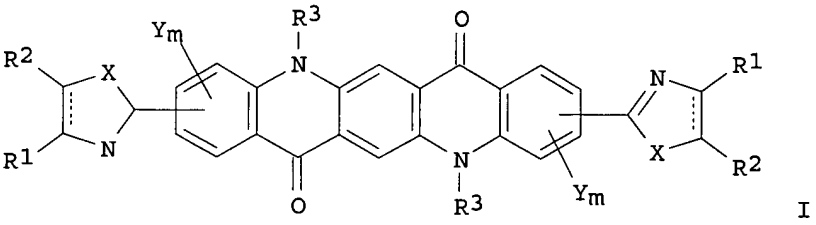


REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 6 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1999:100756 CAPLUS
DOCUMENT NUMBER: 130:169524
TITLE: Heterocyclic-substituted quinacridone pigments, their preparation and their use in coatings and inks
INVENTOR(S): Badejo, Ibraheem T.; Franke, Guenter
PATENT ASSIGNEE(S): Bayer Corporation, USA
SOURCE: U.S., 11 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5868828	A	19990209	US 1998-81849	19980520 <--
EP 959106	A1	19991124	EP 1999-109405	19990511 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
MX 9904557	A	20000831	MX 1999-4557	19990517

PRIORITY APPLN. INFO.: US 1998-81849 A 19980520
OTHER SOURCE(S): MARPAT 130:169524
GI



I

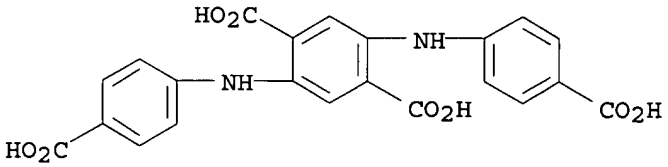
AB The quinacridone pigments (I; X = O, S, imino; R = H, C1-6-alkyl, C5-7-cycloalkyl, C7-16-aralkyl; Y = C1-6-alkyl, C1-6-alkoxy, halogen; R1, R2 = H, C1-6-alkyl, C5-7-cycloalkyl, C6-10-aryl, C7-16-aralkyl, nitrile, carboxyl, ester, amide, or R1R2 may form a C5-8-cycloaliph. ring or a fused-on arom. or heteroarom. ring; R3 = H, C1-6-alkyl; m = 0, 1, or 2) are obtained by cyclocondensation of quinacridonedicarboxylic acids with amines contg. R1, R2, and XH groups in the appropriate arrangement. The introduction of the heterocyclic substituents gives I colors not usually

attained with quinacridone pigments; I also have good stability in processing and application. Thus, 2,5-bis(4-carboxyanilino)terephthalic acid was obtained from di-Me succinylsuccinate and p-aminobenzoic acid and then cyclocondensed to give 2,9-quinacridonedicarboxylic acid; the diacid was then cyclocondensed with 2 mol 2-aminothiophenol or o-phenylenediamine to provide pigments.

IT **41339-16-6P**, 2,5-Bis(4-carboxyanilino)terephthalic acid
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(cyclocondensation; prepn. of heterocyclic-substituted quinacridone pigments for coatings)

RN 41339-16-6 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-carboxyphenyl)amino]- (9CI) (CA INDEX NAME)

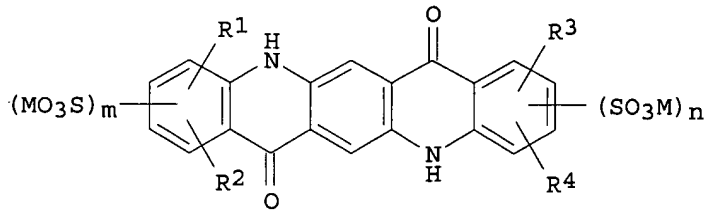


REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1998:640306 CAPLUS
DOCUMENT NUMBER: 129:261735
TITLE: Water-soluble quinacridone dyes and their use
INVENTOR(S): Etzbach, Karl-Heinz; Kranz, Carolin; Sens, Rudiger
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 9841582	A1	19980924	WO 1998-EP1353	19980309	<--
W: JP, US					
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
DE 19711443	A1	19980924	DE 1997-19711443	19970319	<--
EP 970149	A1	20000112	EP 1998-913688	19980309	
EP 970149	B1	20020828			
R: DE, FR, GB, SE, FI					
JP 2001518129	T2	20011009	JP 1998-540088	19980309	
US 6152968	A	20001128	US 1999-380615	19990917	<--

PRIORITY APPLN. INFO.: DE 1997-19711443 A 19970319
WO 1998-EP1353 W 19980309
OTHER SOURCE(S): MARPAT 129:261735
GI



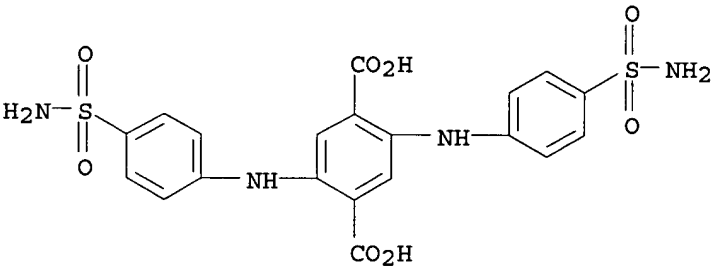
I

AB Water-sol. quinacridones (I; M = Li, K, Na, ammonium; R1, R2, R3, R4 = H, C1-8-alkyl, C1-8-alkoxy, carboxyl, C1-4-alkoxycarbonyl, sulfamoyl, mono- or di-(C1-4)-alkylsulfamoyl, carbamoyl, mono- or di-(C1-4)-alkylcarbamoyl, unsubstituted or substituted mono- or diphenylsulfamoyl, unsubstituted or substituted mono- or diphenylcarbamoyl, halogen, nitro or cyano; m, n = 0-2; sum n + m .gtoreq. 1) and their mixts. are used to dye and print natural and synthetic fiber materials. I may also be used in bulk dyeing of paper and in ink-jet inks and form stable colorant mixts. and wet-fast prints. In an example, 2,5-bis(4-sulfamoylanilino)terephthalic acid was cyclized to 2,9-quinacridonedisulfonic acid, which was obtained in the form of its diammonium salt (.lambda.max 502, 532 nm).

IT **207793-48-4**, 2,5-Bis(4-sulfamoylanilino)terephthalic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(starting material; water-sol. quinacridone dyes for paper and ink-jet inks)

RN 207793-48-4 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[[4-(aminosulfonyl)phenyl]amino]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1998:550414 CAPLUS

DOCUMENT NUMBER: 129:175641

TITLE: Preparation of phenylbenzimidazoles as ligands for GABA receptors

INVENTOR(S): Harrison, Timothy; Sparey, Timothy Jason; Teall, Martin Richard

PATENT ASSIGNEE(S): Merck Sharp & Dohme Limited, UK

SOURCE: PCT Int. Appl., 36 pp.
CODEN: PIXXD2

DOCUMENT TYPE: **Patent**

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 9834923	A1	19980813	WO 1998-GB322	19980202	<--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG					
AU 9858744	A1	19980826	AU 1998-58744	19980202	<--
AU 733099	B2	20010510			
EP 968191	A1	20000105	EP 1998-902126	19980202	
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI					
JP 2001510480	T2	20010731	JP 1998-533983	19980202	
US 6071909	A	20000606	US 1999-341940	19990720	<--

PRIORITY APPLN. INFO.: GB 1997-2524 A 19970207
WO 1998-GB322 W 19980202

OTHER SOURCE(S): MARPAT 129:175641

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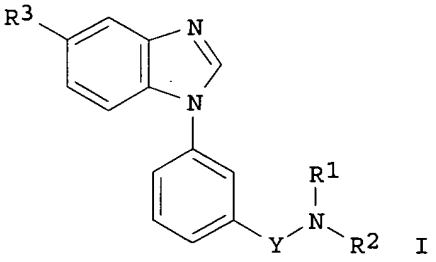


I

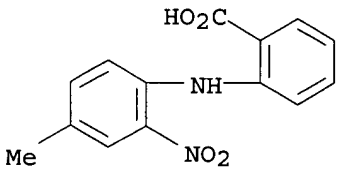
AB The title compds. [I; Y = CH2, C(O), C(S); R1, R2 = H, alkyl, heterocyclyl; NR1R2 = pyrrolidinyl, piperidynyl, morpholinyl, etc.; R3 = H, alkyl, halo, etc.], which are selective ligands for GABAA receptors, in particular having high affinity for its .alpha.2 and/or .alpha.3 subunit, and therefore are useful in the treatment and/or prevention of disorders of the central nervous system, including anxiety and convulsions, were prepd. Thus, reaction of 1-(3-carboxyphenyl)-5-methylbenzimidazole (prepn. described) with morpholine in the presence of 1-(3-dimethylaminopropyl)-3-ethylcarbodiimide.HCl, hydroxybenzotriazole and Et3N in DMF afforded the title compd. I [Y = C(O); NR1R2 = morpholino; R3 = Me] which showed Ki of .ltoreq. 100 nM for displacement of [3H]-flumazenil from the .alpha.2 and/or .alpha.3 subunit of the human GABAA receptor.

IT **92149-45-6P 92245-44-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of phenylbenzimidazoles as ligands for GABA receptors)

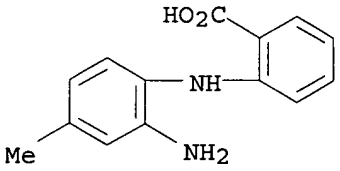
RN 92149-45-6 CAPLUS

CN Benzoic acid, 2-[(4-methyl-2-nitrophenyl)amino]- (9CI) (CA INDEX NAME)

<N30/09/2003Page 18 16:36 <golam sha <mm/dd/yyyy



RN 92245-44-8 CAPLUS
CN Benzoic acid, 2-[(2-amino-4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 9 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1998:527309 CAPLUS
DOCUMENT NUMBER: 129:148822
TITLE: Preparation and formulation of aminobenzophenones as inhibitors of interleukin and TNF
INVENTOR(S): Ottosen, Erik Rytter; Rachlin, Schneur
PATENT ASSIGNEE(S): Leo Pharmaceutical Products Ltd. A/S (Lovens Kemiske Fabrik Produktionsaktie, Den.
SOURCE: PCT Int. Appl., 81 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9832730	A1	19980730	WO 1998-DK8	19980108 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9854781	A1	19980818	AU 1998-54781	19980108 <--
AU 733561	B2	20010517		
EP 966424	A1	19991229	EP 1998-900270	19980108 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
NZ 336754	A	20010330	NZ 1998-336754	19980108
JP 2001511771	T2	20010814	JP 1998-531499	19980108
RU 2200153	C2	20030310	RU 1999-118221	19980108
US 6313174	B1	20011106	US 1999-341923	19990721 <--

PRIORITY APPLN. INFO.: GB 1997-1453 A 19970124
WO 1998-DK8 W 19980108

<N30/09/2003Page 19 16:36 <golam sha <mm/dd/yyyy

OTHER SOURCE(S): MARPAT 129:148822
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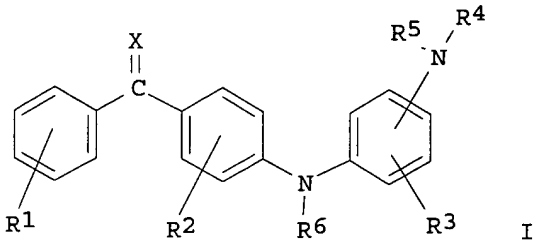


I

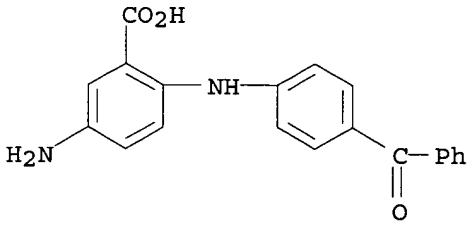
AB The title compds. I [R1 and R2 stand independently for one or more, similar or different substituents selected from the group consisting of hydrogen, halogen, hydroxy, mercapto, trifluoromethyl, amino, alkyl, alkoxy, alkylthio, alkylamino, or alkoxycarbonyl, the C-content of which can be from 1 to 5, cyano, carboxy, carbamoyl, Ph, or nitro; R3 stands for hydrogen, halogen, hydroxy, mercapto, trifluoromethyl, amino, alkyl, alkoxy, alkylthio, alkylamino, or alkoxycarbonyl, the C-content of which can be from 1 to 5, Ph, cyano, carboxy, or carbamoyl; R4, R5 and R6 stand independently for hydrogen, trifluoromethyl, alkyl, carbamoyl, alkoxycarbonyl, or alkyloxo, the C-content of which can be from 1 to 5; X stands for oxygen, NOH, NO-alkyl, dialkoxy, cyclic dialkoxy, dialkylthio, or cyclic dialkylthio, the C-content of which can be from 1 to 5] are prepd. The present compds. are of value in the human and veterinary practice as systemic and topical therapeutic agents for the treatment and prophylaxis of asthma, allergy, rheumatoid arthritis, spondyloarthritis, gout, atherosclerosis, chronic inflammatory bowel disease, proliferative and inflammatory skin disorders, such as psoriasis, and atopic dermatitis. In an in vitro test using human polymorphonuclear granulocytes, 4-(2-aminophenylamino)-2-chloro-2'-methylbenzophenone in vitro showed IC50 of 13 nM and 7.1 nM against the prodn. of Il-1.beta. and TNF-.alpha., resp. In the above test, 4-(2-aminophenylamino)benzophenone (II) in vitro showed IC50 of 250 nM and 790 nM against the prodn. of Il-1.beta. and TNF-.alpha., resp. In the 12-O-tetradecanoylphorbol-13-acetate induced murine skin inflammation model, II showed activity equal to hydrocortisone.

IT **210965-71-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of aminobenzophenones as inhibitors of interleukin and TNF)

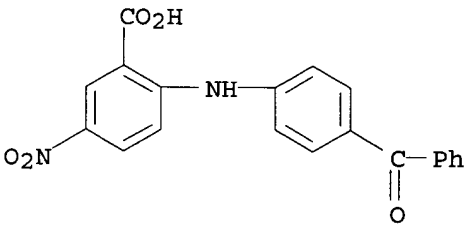
RN 210965-71-2 CAPLUS

CN Benzoic acid, 5-amino-2-[(4-benzoylphenyl)amino]- (9CI) (CA INDEX NAME)

<N30/09/2003Page 20 16:36 <golam shameem>mm/dd/yyyy



IT **210966-60-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of aminobenzophenones as inhibitors of interleukin and TNF)
RN 210966-60-2 CAPLUS
CN Benzoic acid, 2-[(4-benzoylphenyl)amino]-5-nitro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

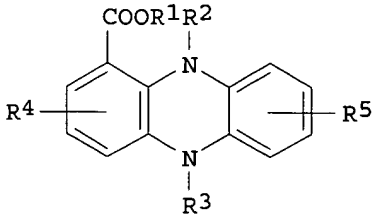
L15 ANSWER 10 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1998:394329 CAPLUS
DOCUMENT NUMBER: 129:54392
TITLE: Preparation of dihydrophenazinecarboxylic acid derivatives as glutamic acid toxicity inhibitors
INVENTOR(S): Takahashi, Toshihiro; Nomura, Yutaka; Seto, Haruo; Shin-Ya, Kazuo
PATENT ASSIGNEE(S): Nippon Chemiphar Co., Ltd., Japan; Takahashi, Toshihiro; Nomura, Yutaka; Seto, Haruo; Shin-Ya, Kazuo
SOURCE: PCT Int. Appl., 52 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9824772	A1	19980611	WO 1997-JP3674	19971014 <--
W: US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 10218864	A2	19980818	JP 1997-294995	19971014 <--
EP 945444	A1	19990929	EP 1997-944108	19971014 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 6150363	A	20001121	US 1999-319285	19990602 <--

PRIORITY APPLN. INFO.: JP 1996-337492 A 19961203
WO 1997-JP3674 W 19971014

<N30/09/2003Page 21 16:36 <golam sha <mm/dd/yyyy

OTHER SOURCE(S): MARPAT 129:54392
GI



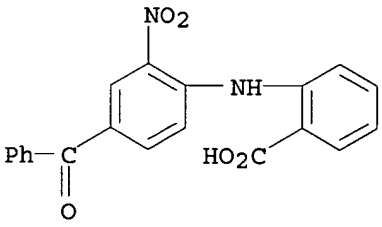
I

AB The title compds. I [R1 represents hydrogen, linear or branched alkyl, etc.; R2 and R3 each represents hydrogen, 3-methyl-2-butenyl, etc.; and R4 and R5 each represents hydrogen, alkyl, alkenyl, alkynyl, aralkyl, aryl, hydroxy, alkoxy, aryloxy, aralkyloxy, halogeno, nitro, cyano, alkylsulfonyl, arylsulfonyl, alkylcarbonyl, arylcarbonyl, etc., exclusive of the case where both of R4 and R5 are hydrogen] are prepd. In an in vitro test for glutamic acid toxicity inhibition using N18-RE-105 cells, Et 7-benzoyl-5,10-dihydro-1-phenazinecarboxylate showed EC50 of 3.3 nM, vs. EC50 of 10.1 x 103 nM shown by Ebselen.

IT **206134-81-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of dihydrophenazinecarboxylic acid derivs. as glutamic acid toxicity inhibitors)

RN 206134-81-8 CAPLUS

CN Benzoic acid, 2-[(4-benzoyl-2-nitrophenyl)amino]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 11 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1998:331458 CAPLUS
DOCUMENT NUMBER: 129:17060
TITLE: Incorporation of sulfonated precursors during quinacridone preparation
INVENTOR(S): Badejo, Ibraheem T.; Britanak, John F.; Rice, Daphne J.
PATENT ASSIGNEE(S): Bayer Corp., USA
SOURCE: U.S., 12 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

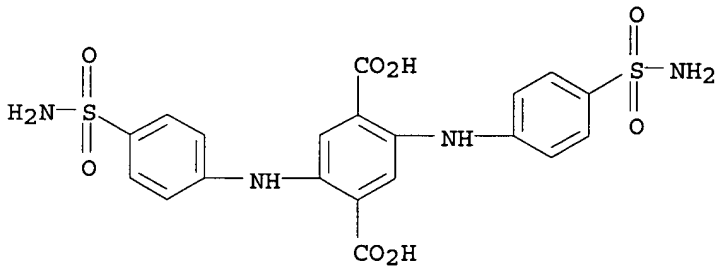
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5755873	A	19980526	US 1996-748742	19961118 <--
EP 842987	A2	19980520	EP 1997-119395	19971106 <--
EP 842987	A3	19980805		
EP 842987	B1	20020904		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 10158536	A2	19980616	JP 1997-327209	19971113 <--

PRIORITY APPLN. INFO.: US 1996-748742 A 19961118
OTHER SOURCE(S): CASREACT 129:17060; MARPAT 129:17060

AB The first step for prepg. quinacridone pigments includes heating a reaction mixt. comprising (i) a 2,5-dianilinoterephthalic acid, a 2,5-dianilino-3,6-dihydroterephthalic acid, or a 2,5-dianilino-3,6-dioxo-1,4-cyclohexadiene-1,4-dicarboxylic acid 100, (ii) one or more sulfo- or sulfamoyl-contg. derivs. of 2,5-dianilinoterephthalic acid, 2,5-dianilino-3,6-dihydroterephthalic acid, and/or 2,5-dianilino-3,6-dioxo-1,4-cyclohexadiene-1,4-dicarboxylic acid 0.1-15, and (iii) a dehydrating agent 3-20 parts, with the proviso that if either component (i) or component (ii) is a 2,5-dianilino-3,6-dihydroterephthalic acid or deriv. thereof, then this step addnl. comprises an oxidn. stage. In the second step the reaction mixt. from the first step is drowned with a liq. in which the quinacridone pigment is substantially insol. The final step consists of isolating the pigment. The presence of the sulfonated dicarboxylic acid in the ring closure step provides quinacridone pigments having deeper, brighter masstones and improved transparency and rheol. properties. Examples were given for the prepn. of quinacridone, 2,9-dimethylquinacridone, and gamma-quinacridone, using polyphosphoric acid cyclization catalyst and 2,5-bis(4-sulfamoylanilino)terephthalic acid, 2,5-bis[4-(3,4-dimethyl-5-isoxazolylsulfamoyl)anilino]terephthalic acid, 2,5-bis[4-(diethylsulfamoyl)anilino]terephthalic acid, or di-Me 2,5-bis[4-(3-methoxypropylsulfamoyl)anilino]-1,4-cyclohexadiene-1,4-dicarboxylate.

IT **207793-48-4P**, 2,5-Bis(4-sulfamoylanilino)terephthalic acid
207793-50-8P, 2,5-Bis[4-(diethylsulfamoyl)anilino]terephthalic acid **207793-52-0P**, 2,5-Bis[4-(3,4-dimethyl-5-isoxazolylsulfamoyl)anilino]terephthalic acid
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(prepn. of quinacridone pigments in presence of sulfonated precursors)

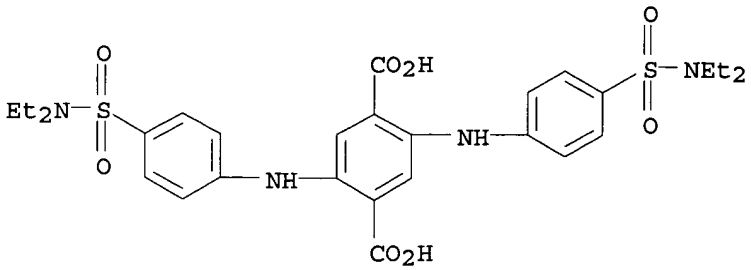
RN 207793-48-4 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[[4-(aminosulfonyl)phenyl]amino]-(9CI) (CA INDEX NAME)



RN 207793-50-8 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[[4-[(diethylamino)sulfonyl]phenyl]am

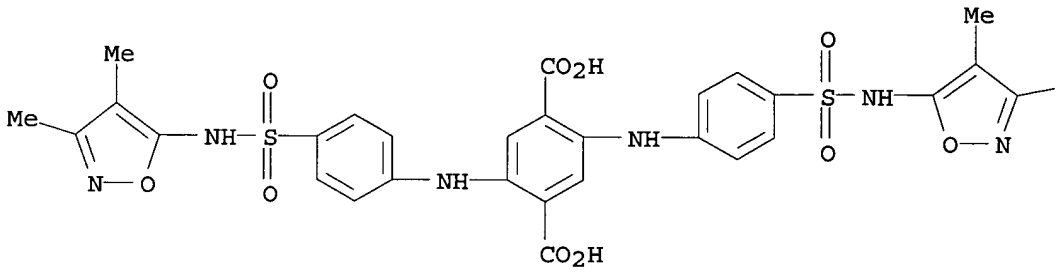
<N30/09/2003Page 23 16:36 <golam sha <mm/dd/yyyy

ino]- (9CI) (CA INDEX NAME)



RN 207793-52-0 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[[4-[[(3,4-dimethyl-5-isoxazolyl)amino]sulfonyl]phenyl]amino]- (9CI) (CA INDEX NAME)

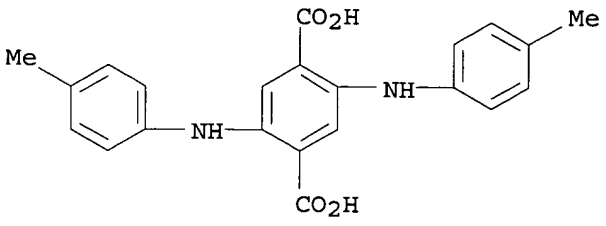
PAGE 1-A



PAGE 1-B

— Me

IT **10291-28-8**, 2,5-Bis(4-methylanilino)terephthalic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(starting material; prepn. of quinacridone pigments in presence of sulfonated precursors)
RN 10291-28-8 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



<N30/09/2003Page 24 16:36 <golam sha <mm/dd/yyyy

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 12 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1998:268491 CAPLUS
DOCUMENT NUMBER: 128:308499
TITLE: Bis(acridinecarboxamide) and bis(phenazinecarboxamide) as antitumor agents
INVENTOR(S): Denny, William Alexander; Gamage, Swarnalatha Akuritaya; Spicer, Julie Ann; Baguley, Bruce Charles; Finlay, Graeme John
PATENT ASSIGNEE(S): Xenova Ltd., UK; Denny, William Alexander; Gamage, Swarnalatha Akuritaya; Spicer, Julie Ann; Baguley, Bruce Charles; Finlay, Graeme John
SOURCE: PCT Int. Appl., 100 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 9817650	A1	19980430	WO 1997-GB2886	19971017	<--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG					
AU 9747137	A1	19980515	AU 1997-47137	19971017	<--
AU 717724	B2	20000330			
ZA 9709331	A	19980521	ZA 1997-9331	19971017	<--
ZA 9709328	A	19980706	ZA 1997-9328	19971017	<--
EP 934278	A1	19990811	EP 1997-909456	19971017	<--
EP 934278	B1	20020904			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI					
GB 2334032	A1	19990811	GB 1999-8192	19971017	<--
GB 2334032	B2	20001108			
BR 9711948	A	19990824	BR 1997-11948	19971017	<--
CN 1240430	A	20000105	CN 1997-180614	19971017	
CN 1116285	B	20030730			
NZ 335055	A	20000929	NZ 1997-335055	19971017	
JP 2001503399	T2	20010313	JP 1998-519109	19971017	
RU 2179972	C2	20020227	RU 1999-109978	19971017	
AT 223381	E	20020915	AT 1997-909456	19971017	
ES 2183142	T3	20030316	ES 1997-909456	19971017	
TW 432060	B	20010501	TW 1997-86115404	19971018	
BG 103329	A	20001130	BG 1999-103329	19990413	
NO 9901833	A	19990603	NO 1999-1833	19990416	<--
KR 2000049252	A	20000725	KR 1999-703357	19990416	
US 6114332	A	20000905	US 1999-284623	19990618	<--
HK 1018773	A1	20010302	HK 1999-103666	19990826	

PRIORITY APPLN. INFO.: GB 1996-21795 A 19961018
WO 1997-GB2886 W 19971017
OTHER SOURCE(S): CASREACT 128:308499; MARPAT 128:308499
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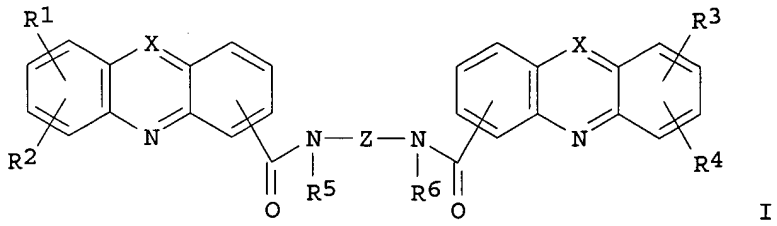
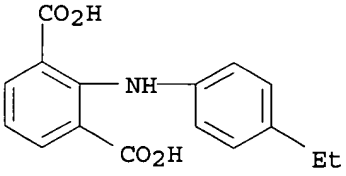


I

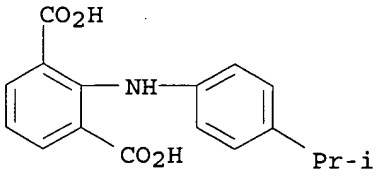
AB Compds. I [R1-R4 = H, C1-4 alkyl, OH, etc.; or R1 and R2 together form a methylenedioxy group; R5, R6 = H, C1-4 alkyl; X = CH, N; Z = (CH2)n, (CH2)nO(CH2)n, (CH2)nNR7(CH2)n, (CH2)nNR7(CH2)mNR7(CH2)n, (CH2)nN(CH2CH2)2N(CH2)n; R7 = H, C1-4 alkyl; m, n = 1-4; with the exception of compds. wherein each X is N, each of R1-R6 is H, the carboxamide moiety is attached to position 1 of each phenazine ring and Z is (CH2)2NH(CH2)2, (CH2)3NH(CH2)3, (CH2)3N(CH2CH2)2N(CH2)3, (CH2)2NH(CH2)2NH(CH2)2 or (CH2)3NH(CH2)2NH(CH2)3] or a pharmaceutically acceptable acid addn. salt or N-oxide thereof; have activity as an antitumor and antibacterial agent. Thus, bis[(5-methylacridine-4-carboxamido)propyl]methylamine was prepd. and showed an IC50 value of 11 nM on a wild-type human leukemia line (Jurkat; JLc).

IT **190844-97-4P 190845-11-5P 190845-14-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(bis(acridinecarboxamide) and bis(phenazinecarboxamide) as antitumor and antibacterial agents)

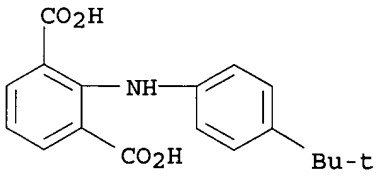
RN 190844-97-4 CAPLUS
CN 1,3-Benzenedicarboxylic acid, 2-[(4-ethylphenyl)amino]- (9CI) (CA INDEX NAME)



RN 190845-11-5 CAPLUS
CN 1,3-Benzenedicarboxylic acid, 2-[[4-(1-methylethyl)phenyl]amino]- (9CI) (CA INDEX NAME)



RN 190845-14-8 CAPLUS
CN 1,3-Benzenedicarboxylic acid, 2-[[4-(1,1-dimethylethyl)phenyl]amino]- (9CI) (CA INDEX NAME)

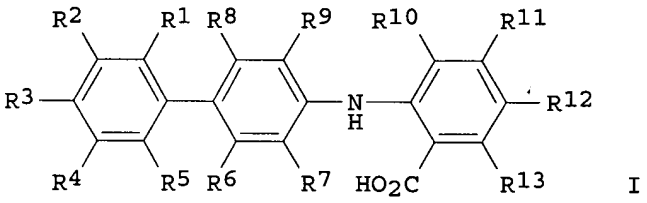


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 13 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1998:226814 CAPLUS
DOCUMENT NUMBER: 128:270439
TITLE: Preparation of aromatic compounds for inhibiting immune response
INVENTOR(S): Ocain, Timothy D.; Gao, Huai; Krieger, Jeffrey I.; Sampo, Theresa M.
PATENT ASSIGNEE(S): Procept, Inc., USA
SOURCE: U.S., 10 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5739169	A	19980414	US 1996-656468	19960531 <--

PRIORITY APPLN. INFO.: US 1996-656468 19960531
OTHER SOURCE(S): MARPAT 128:270439
GI



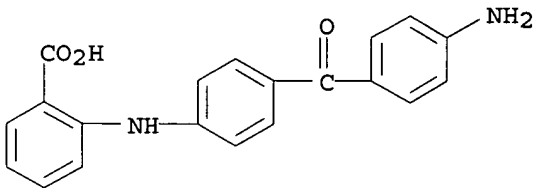
I

AB The title compds. [I; R1-R13 = C2-4 alkyl, H, NH2, etc.] and their salts, useful as immunosuppressive agents to prevent or significantly reduce graft rejection in organ and bone marrow transplantation, were prepd. Thus, reaction of 3,3'-dimethoxybenzidine with diphenyliodonium-2-carboxylate in the presence of Cu(OAc)2 in iPrOH afforded Na salt of I [R1 = R2 = R5 = R6 = R8 = R9 = R10-R13 = H; R3 = NH2; R4 = R7 = MeO] which showed IC50 of 5 ng/mL in mixed lymphocyte reactions (MLR) assay. The novel compds. I can also be used as an immunosuppressant drugs for T-lymphocyte mediated autoimmune diseases, such as diabetes, and may be useful in alleviating psoriasis and contact dermatitis. Addnl., the novel compds. I can be used for antiproliferation and gene therapy.

IT **205578-85-4P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

<N30/09/2003Page 27 16:36 <golam sha <mm/dd/yyyy

(prepn. of arom. compds. for inhibiting immune response)
RN 205578-85-4 CAPLUS
CN Benzoic acid, 2-[[4-(4-aminobenzoyl)phenyl]amino]- (9CI) (CA INDEX NAME)

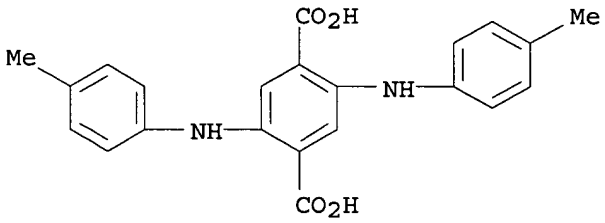


REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 14 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1997:809778 CAPLUS
DOCUMENT NUMBER: 128:76687
TITLE: Organic pigment compositions
INVENTOR(S): Badejo, Ibraheem T.; Rice, Daphne J.
PATENT ASSIGNEE(S): Bayer Corp., USA
SOURCE: U.S., 10 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5698024	A	19971216	US 1996-777102	19961231 <--
CA 2224618	AA	19980630	CA 1997-2224618	19971211 <--
EP 851007	A1	19980701	EP 1997-122502	19971219 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 10195329	A2	19980728	JP 1997-369330	19971230 <--

PRIORITY APPLN. INFO.: US 1996-777102 19961231
OTHER SOURCE(S): MARPAT 128:76687
AB Pigment compns. comprise an org. pigment treated with .apprx.0.1 to .apprx.20% compd. having the formula Q[CH2NHCXZ]n, wherein Q represents an org. pigment moiety, X is O or S, Z represents a heteroarom. group attached at a ring carbon atom to the (thio)amidomethyl -CH2NHCX- linking group, and n is 1-4. Thus, 2,9-dimethylquinacridone (I) was dry-blended with 10% nicotinamidomethylquinacridone (II), and a water-based paint contg. the pigment exhibited a reduced viscosity and bluer tint compared to a paint contg. I and no II.
IT **10291-28-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(dimethylquinacridone pigments from)
RN 10291-28-8 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 15 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1997:732153 CAPLUS
DOCUMENT NUMBER: 127:359968
TITLE: Quinacridone pigments and incorporation of pigment derivatives during their preparation
INVENTOR(S): Badejo, Ibraheem T.; Campos, Margot; Greene, Michael J.; Rice, Daphne J.
PATENT ASSIGNEE(S): Bayer Corporation, USA
SOURCE: Eur. Pat. Appl., 16 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
EP 805189	A2	19971105	EP 1997-106253	19970416	<--
EP 805189	A3	19980722			
EP 805189	B1	20020710			
R: CH, DE, ES, FR, GB, IT, LI					
US 5713999	A	19980203	US 1996-639598	19960429	<--
CA 2199597	AA	19971029	CA 1997-2199597	19970310	<--
ES 2179977	T3	20030201	ES 1997-106253	19970416	
JP 10053714	A2	19980224	JP 1997-121563	19970425	<--

PRIORITY APPLN. INFO.: US 1996-639598 A 19960429
OTHER SOURCE(S): MARPAT 127:359968

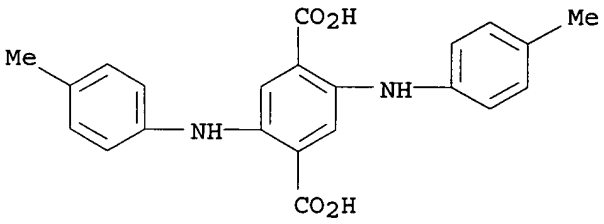
AB Quinacridone pigments are prepd. by heating, at 80-145.degree., a reaction mixt. contg. (i) 2,5-dianilinoterephthalic acid, a 2,5-dianilinodihydroterephthalic acid ester, and/or a deriv. thereof, (ii) 3-15 parts per part of component (i), of a dehydrating agent, and (iii) 0.1-15% based on component (i), of one or more non-quinacridone pigments, with the proviso that if component (i) is a 2,5-dianilino-6,13-dihydroterephthalic acid ester or a deriv. thereof, this reaction step addnl. comprises an oxidn. step; (b) drowning the reaction mixt. from step (a) by adding said reaction mixt. to about 3 to about 15 parts by wt., per part of component (a)(i), of a liq. in which the quinacridone pigment is substantially insol.; (c) isolating the quinacridone pigment; (d) optionally, conditioning the quinacridone pigment; and (e) optionally, blending the resultant pigment with one or more quinacridone derivs. The resulting reaction mixt. is drowned by adding it to 3-15 parts per 100 parts (i) of a liq. in which the quinacridone pigment is substantially insol. The quinacridone pigment is then isolated and optionally conditioned and/or blended with one or more quinacridone derivs. This process provides for pigments with improved masstones and rheol. properties. In an example, 2,5-dianilinoterephthalic acid was cyclocondensed with polyphosphoric acid in the presence of copper N-[3-(dimethylamino)propyl]phthalocyaninesulfonamide to give a brilliant

violet quinacridone pigment with properties superior to a com. product.

IT **10291-28-8**, 2,5-Bis(4-methylanilino)terephthalic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(starting material; prepn. of quinacridones in presence of other pigments)

RN 10291-28-8 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 16 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1997:719569 CAPLUS
DOCUMENT NUMBER: 127:359967
TITLE: Quinacridone pigments and incorporation of aromatic polycyclic compounds in their preparation
INVENTOR(S): Badejo, Ibraheem T.; Rice, Daphne J.
PATENT ASSIGNEE(S): Bayer Corporation, USA
SOURCE: U.S., 9 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
US 5683502	A	19971104	US 1996-639599	19960429	<--
CA 2199599	AA	19971029	CA 1997-2199599	19970310	<--
EP 805188	A2	19971105	EP 1997-106254	19970416	<--
EP 805188	A3	19980722			
R: CH, DE, FR, GB, LI					
JP 10053713	A2	19980224	JP 1997-120117	19970424	<--

PRIORITY APPLN. INFO.: US 1996-639599 19960429
OTHER SOURCE(S): CASREACT 127:359967; MARPAT 127:359967

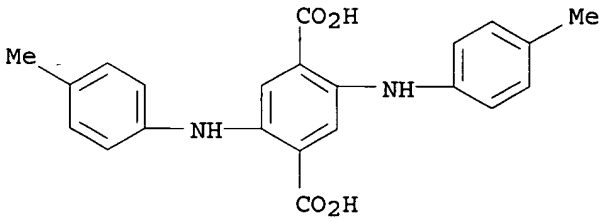
AB This invention relates to a multistep process for the prepn. of quinacridone pigments in which the first step (a) is heating, at a temp. of about 80-145.degree., a reaction mixt. contg. (i) 2,5-dianilinoterephthalic acid, a 2,5-dianilino-3,6-dihydroterephthalic acid ester, and/or a deriv. thereof, (ii) about 3-15 parts per part of component (i), of a dehydrating agent, and (iii) about 0.1-15%, based on component (i), of one or more non-pigmentary arom. polycyclic compds. and/or derivs. thereof, with the proviso that if component (i) is a 2,5-dianilino-3,6-dihydroterephthalic acid ester or a deriv. thereof, then reaction step (a) addnl. comprises an oxidn. step. The next step (b) comprises drowning the reaction mixt. from step (a) by adding said reaction mixt. to about 3-15 parts, per part of component (i), of a liq. in which the quinacridone pigment is substantially insol. The final step(s) consist of (c) isolating the quinacridone pigment; (d) optionally conditioning the quinacridone pigment; and (e) optionally blending the

resultant pigment with one or more quinacridone derivs. The process provides pigments having deeper, brighter, and more transparent masstones in addn. to improved rheol. properties. In an example, 2,5-bis(4-methylanilino)terephthalic acid was cyclized in polyphosphoric acid contg. anthraquinone and the product was drowned in MeOH to give magenta 2,9-dimethylquinacridone with better rheol. properties than a com. pigment.

IT **10291-28-8**, 2,5-Bis(4-methylanilino)terephthalic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(starting material; prepn. of quinacridone pigments with improved properties)

RN 10291-28-8 CAPLUS

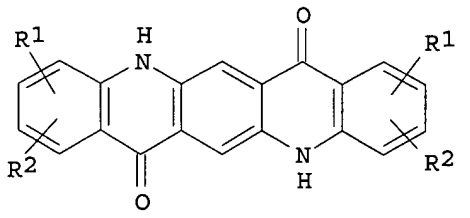
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 17 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1997:678949 CAPLUS
DOCUMENT NUMBER: 127:294624
TITLE: Manufacture of quinacridone pigments
INVENTOR(S): Urban, Manfred; Schnaitmann, Dieter; Bohmer, Martin
PATENT ASSIGNEE(S): Hoechst A.-G., Germany
SOURCE: Eur. Pat. Appl., 18 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 799862	A2	19971008	EP 1997-104942	19970324 <--
EP 799862	A3	19980722		
EP 799862	B1	20011031		
R: AT, CH, DE, FR, GB, IT, LI, NL				
DE 19613186	A1	19971009	DE 1996-19613186	19960402 <--
CA 2201414	AA	19971002	CA 1997-2201414	19970401 <--
CN 1171416	A	19980128	CN 1997-110216	19970401 <--
CN 1080292	B	20020306		
JP 10036699	A2	19980210	JP 1997-82862	19970401 <--
US 5755872	A	19980526	US 1997-834728	19970401 <--

PRIORITY APPLN. INFO.: DE 1996-19613186 A 19960402
OTHER SOURCE(S): MARPAT 127:294624
GI



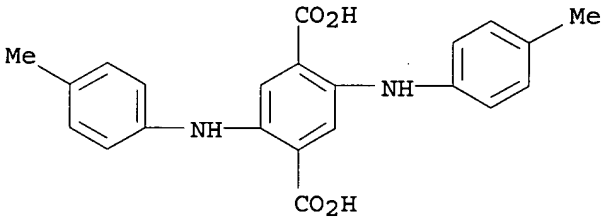
I

AB Quinacridone pigments (I; R1, R2 = H, Cl, Br, F, C1-4-alkyl or -alkoxy, optionally substituted carbonamido) are obtained by cyclocondensation of the appropriate 2,5-dianilinoterephthalic acids in the presence of polyphosphoric acids or their esters at 120-140.degree. followed by hydrolysis of the product with a mineral acid such as phosphoric acid at 135-165.degree.. The high-temp. hydrolysis provides a .beta.-phase pigment with improved coloristic and rheol. properties with minimized ecol. impact. Thus, 141.2 g 2,5-dianilinoterephthalic acid was heated 1 h at 125.degree. in polyphosphoric acid and the product was hydrolyzed with orthophosphoric acid in a closed container at 140-170.degree. to give 126.5 g .beta.-phase C.I. Pigment Violet.

IT **10291-28-8**, 2,5-Bis(4-methylanilino)terephthalic acid
196809-45-7, 2,5-Bis(3-chloro-4-methylanilino)terephthalic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(starting material; prodn. of .beta.-form quinacridone pigments)

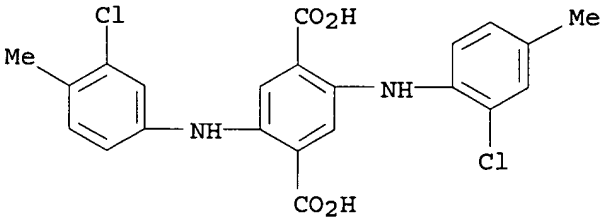
RN 10291-28-8 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



RN 196809-45-7 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2-[(2-chloro-4-methylphenyl)amino]-5-[(3-chloro-4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



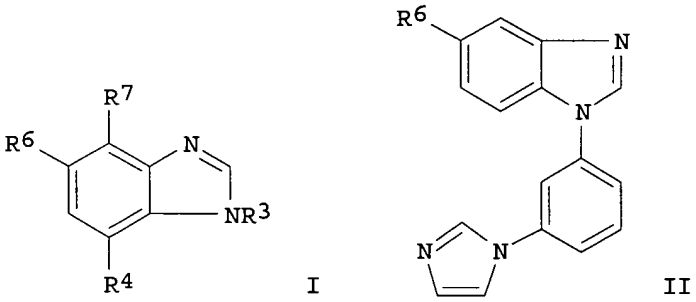
L15 ANSWER 18 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1996:580566 CAPLUS

<N30/09/2003Page 32 16:36 <golam sha <mm/dd/yyyy

DOCUMENT NUMBER: 125:300997
TITLE: Benzimidazole compounds useful as benzodiazepine receptor ligands
INVENTOR(S): Teuber, Lene; Axelsson, Oskar; Watjen, Frank
PATENT ASSIGNEE(S): Neurosearch A/s, Den.; Meiji Seika Kaisha, Ltd.
SOURCE: U.S., 19 pp., Cont.-in-part of U.S. Ser. No. 207,774, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
US 5554630	A	19960910	US 1995-410572	19950324	<--
ZA 9402079	A	19941024	ZA 1994-2079	19940324	<--
US 5554632	A	19960910	US 1994-352585	19941209	<--

PRIORITY APPLN. INFO.: DK 1993-337 A 19930324
DK 1993-1055 A 19930921
US 1994-207774 B2 19940308
OTHER SOURCE(S): MARPAT 125:300997
GI



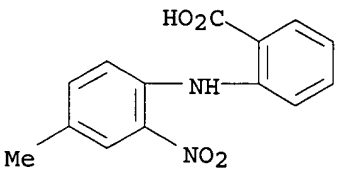
I II

AB The invention discloses title compds. I [R3 = certain (un)substituted (hetero)aryl groups; R4 = H, NH2, NO2, cyano, halo, acylamino, (un)substituted aryl; or R4 forms bridges to aryl ring of R3; R6, R7 = H, halo, NH2, NO2, cyano, acylamino, CF3, (un)substituted aryl; or R6 and R7 form certain optionally heteroatom-contg. bridges] and their pharmaceutically acceptable salts, as well as the medical use of a broader class of 1-arylbenzimidazoles, including I. The compds. are useful for the treatment of various central nervous system disorders such as epilepsy and other convulsive disorders, anxiety, sleep disorders, and memory disorders. For example, 2-amino-3'-iodo-4-(trifluoromethyl)diphenylamine (prepn. given) underwent cyclocondensation with formic acid at reflux, and coupling with imidazole in the presence of K2CO3 and CuBr at 200.degree., to give title compd. II [R6 = CF3]. In an in-vivo test for inhibition of [3H]-flunitrazepam specific binding to mouse forebrain GABAA receptors, II [R6 = CF3] had an ED50 of 7.3 mg/kg i.p., and II [R6 = Me] had an ED50 of 0.8 mg/kg i.p.

IT **92149-45-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; prepn. of benzimidazole derivs. as benzodiazepine receptor ligands)

<N30/09/2003Page 33 16:36 <golam sha <mm/dd/yyyy

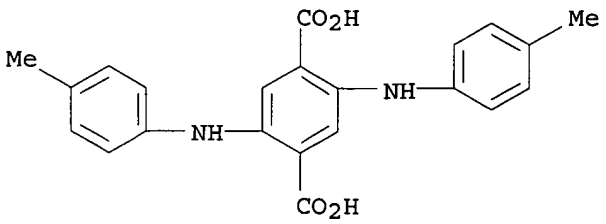
RN 92149-45-6 CAPLUS
CN Benzoic acid, 2-[(4-methyl-2-nitrophenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 19 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1996:200394 CAPLUS
DOCUMENT NUMBER: 124:319681
TITLE: Preparation of quinacridone pigments with reduced particle size
INVENTOR(S): Campos, Margot; Franke, Guenter; Greene, Michael J.
PATENT ASSIGNEE(S): Bayer A.-G., USA
SOURCE: U.S., 8 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5496405	A	19960305	US 1994-349868	19941206 <--
CA 2163400	AA	19960607	CA 1995-2163400	19951121 <--
EP 716129	A1	19960612	EP 1995-118427	19951123 <--
EP 716129	B1	20010207		
R: BE, CH, DE, ES, FR, GB, IT, LI				
JP 08231870	A2	19960910	JP 1995-335688	19951201 <--

PRIORITY APPLN. INFO.: US 1994-349868 A 19941206
OTHER SOURCE(S): MARPAT 124:319681
AB The pigments are prepd. by (a) heating at 80-145.degree. a reaction mixt. comprising (i) 100 parts 2,5-dianilinoterephthalic acid (I) or its deriv. having .gtoreq.1 substituents in .gtoreq.1 aniline ring, (ii) 2-10 parts of a dehydrating agent, and (iii) 0.01-10 wt.% (on i) of a salt other than an Fe salt; (b) drowning the reaction mixt. from (a) by adding said reaction mixt. to 3-15 parts of a liq. in which the pigment is substantially insol.; (c) isolating the quinacridone pigment; and optionally (d) conditioning the quinacridone pigment. Thus, 0.25 g NaCl and 50 g I were added to 270 g polyphosphoric acid at 80-95.degree., heated 4 h at 120-125.degree., cooled to 90-95.degree., adjusted to acid strength 107% by addn. of 75% H3PO4, and poured into 400 g MeOH at 35.degree. to give a slurry, which was heated at 68-72.degree. for 1 h, dild. with water, and filtered to give, after a multistep workup, 40 g quinacridone as a brilliant violet solid with a bluer tint than the pigment obtained without the use of NaCl.
IT **10291-28-8**, 2,5-Bis(4-methylanilino)terephthalic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of quinacridone pigments with reduced particle size)
RN 10291-28-8 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 20 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1995:997776 CAPLUS
DOCUMENT NUMBER: 124:90271
TITLE: Preparation of quinacridone pigments
INVENTOR(S): Campos, Margot; Pfuetzenreuter, Dirk; Franke, Guenter; Greene, Michael J.
PATENT ASSIGNEE(S): Bayer Corp., USA
SOURCE: Eur. Pat. Appl., 11 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

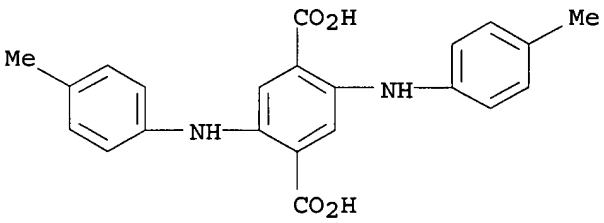
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 682090	A1	19951115	EP 1995-106071	19950424 <--
EP 682090	B1	20000216		
R: CH, DE, FR, GB, LI				
US 5491235	A	19960213	US 1994-239180	19940506 <--
CA 2146603	AA	19951107	CA 1995-2146603	19950407 <--
JP 08170026	A2	19960702	JP 1995-127474	19950428 <--

PRIORITY APPLN. INFO.: US 1994-239180 19940506
OTHER SOURCE(S): CASREACT 124:90271

AB The process comprises (a) heating, at 80-145.degree., a reaction mixt. comprising (i) 100 parts 2,5-dianilinoterephthalic acid (I) or a I deriv. substituted in .gtoreq.1 aniline ring, (ii) 2-10 parts of a strong acid, and (iii) .gtoreq.0.4 mol% (on I, as Fe) of an iron salt, (b) drowning the reaction mixt. in 3-15 parts of a liq. in which the pigment is substantially insol.; (c) isolating the quinacridone pigment; and optionally (d) conditioning the quinacridone pigment. Thus, 0.17 mol I contg. 583 ppm Fe was cyclized in polyphosphoric acid contg. 2.7 mmol FeSO4.7H2O at 120-125.degree., drowned in aq. MeOH, filtered, washed, and dried to give quinacridone of smaller particle size than obtained in the absence of added Fe.

IT **10291-28-8**, 2,5-Di-p-toluidinoterephthalic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of quinacridone pigments with reduced particle size by cyclization of)

RN 10291-28-8 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 21 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1995:995003 CAPLUS
DOCUMENT NUMBER: 124:117110
TITLE: Acridone-derived bisintercalators as chemotherapeutic agents
INVENTOR(S): Michejda, Christopher J.; Cholody, Wieslaw M.; Hernandez, Lidia
PATENT ASSIGNEE(S): United States Dept. of Health and Human Services, USA
SOURCE: PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 9525093	A1	19950921	WO 1995-US3079	19950309	<--
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, UZ					
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG					
US 5508289	A	19960416	US 1994-213315	19940314	<--
CA 2185350	AA	19950921	CA 1995-2185350	19950309	<--
AU 9519900	A1	19951003	AU 1995-19900	19950309	<--
AU 684624	B2	19971218			
EP 750612	A1	19970102	EP 1995-912887	19950309	<--
EP 750612	B1	19991215			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE					
JP 09510451	T2	19971021	JP 1995-524112	19950309	<--
AT 187716	E	20000115	AT 1995-912887	19950309	
ES 2140668	T3	20000301	ES 1995-912887	19950309	
FI 9603626	A	19961108	FI 1996-3626	19960913	<--

PRIORITY APPLN. INFO.: US 1994-213315 A 19940314
WO 1995-US3079 W 19950309
OTHER SOURCE(S): MARPAT 124:117110
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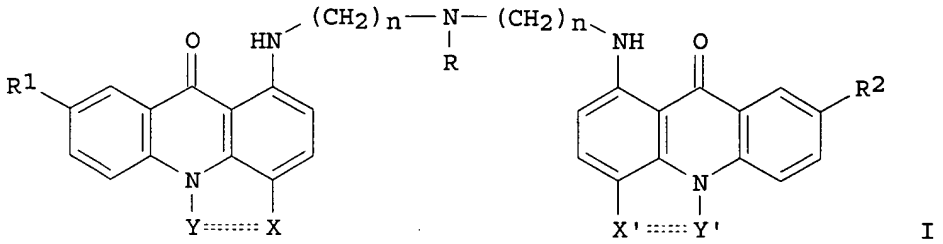

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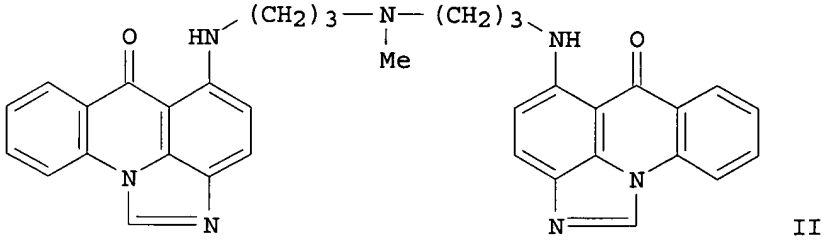


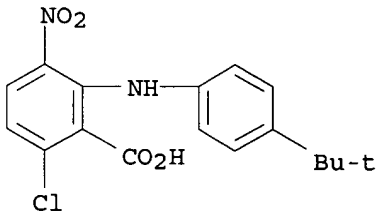
II

AB The invention provides compds. I [R = H, Me, or Et; R1 and R2 = H, OH, NH2, OMe, CMe3, or halo; n = 2-6; X and X' = N or NO2; Y and Y' = N, CH, or H; either a double bond or no bond between the X and Y groups]. The invention also provides pharmaceutical compns., and a method for treating neoplastic cell growth with them. The invention further provides nucleic acids labeled with I, and a method using I for detection of nucleic acid in a sample. For example, condensation of 3,3'-diamino-N-methyldipropylamine with 2 mol equiv 1-chloro-4-nitro-9(10H)-acridone (82%), and reductive cyclization of the resultant bis-nitroacridone compd. with formic acid in the presence of Raney Ni-Al alloy, gave title compd. II [WMC-26]. This compd. showed high selectivity toward colon cancer cells in vitro (T/C in nanomolar range), but only moderate toxicity in nude mice, being tolerated at 200 mg/kg/day for 3 days. Antineoplastic data for selected I against several cell lines are included.

IT **166756-48-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; prepn. of acridone derivs. as bis-intercalating chemotherapeutics)

RN 166756-48-5 CAPLUS

CN Benzoic acid, 6-chloro-2-[[4-(1,1-dimethylethyl)phenyl]amino]-3-nitro- (9CI) (CA INDEX NAME)



L15 ANSWER 22 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1995:767451 CAPLUS
DOCUMENT NUMBER: 123:146707

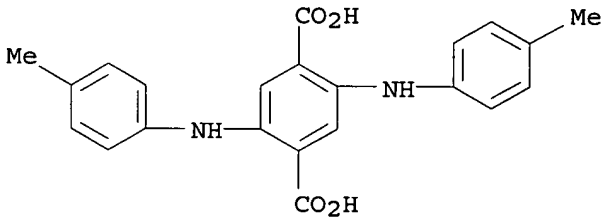
TITLE: Preparation of quinacridones and their intermediates
INVENTOR(S): Schwarz, Franz; Altreiter, Johann; Moestl, Franz
PATENT ASSIGNEE(S): Chemie Linz GmbH, Austria
SOURCE: Eur. Pat. Appl., 9 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 648733	A2	19950419	EP 1994-115808	19941007 <--
EP 648733	B1	19980121		
R: AT, CH, DE, ES, FR, GB, IT, LI				
AT 9302096	A	19960215	AT 1993-2096	19931019 <--
AT 401515	B	19960925		
AT 162513	E	19980215	AT 1994-115808	19941007 <--
ES 2111229	T3	19980301	ES 1994-115808	19941007 <--
JP 07179774	A2	19950718	JP 1994-252485	19941018 <--
US 5491255	A	19960213	US 1994-324709	19941018 <--
US 5659076	A	19970819	US 1995-519350	19950825 <--

PRIORITY APPLN. INFO.: AT 1993-2096 19931019
US 1994-324709 19941018
OTHER SOURCE(S): CASREACT 123:146707; MARPAT 123:146707

AB Di-Me succinylsuccinate (I) is transesterified with .gtoreq.1 C.gtoreq.2-alc(s). in the presence of an acid catalyst and in the absence of O and optionally an inert solvent under pressure to replace .gtoreq.1 Me group in I. The product is then treated with an arom. amine to provide a 2,5-dianilinoterephthalic acid deriv., useful as a quinacridone pigment intermediate. I is more difficult to process than the higher esters. In an example, I was transesterified with BuOH in the presence of H2SO4 to give a mixt. of di-Bu and Me Bu esters which was then heated with p-toluidine and sapond. to give 2,5-bis(4-methylphenylamino)terephthalic acid in good yield and purity..

IT **10291-28-8P**, 2,5-Bis(4-methylphenylamino)terephthalic acid
RL: IMF (Industrial manufacture); PREP (Preparation)
(prepn. of quinacridone pigment intermediates)
RN 10291-28-8 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



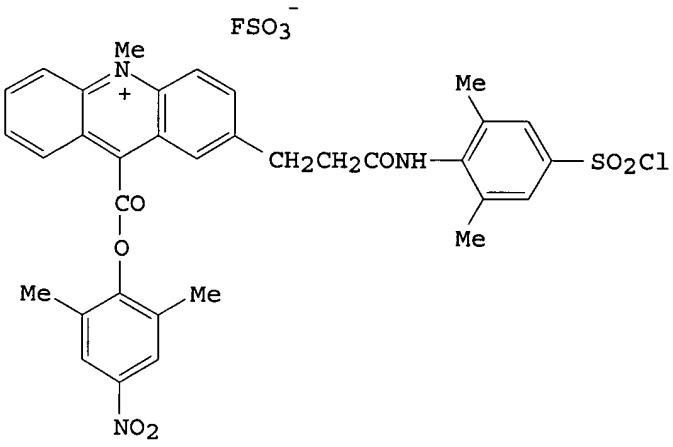
L15 ANSWER 23 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1994:557542 CAPLUS
DOCUMENT NUMBER: 121:157542
TITLE: Preparation of hydrolytically stable acridiniumcarboxylates as chemiluminescent labels and assays therefrom

INVENTOR(S): McCapra, Frank; Beheshti, Iraj
PATENT ASSIGNEE(S): London Diagnostics, Inc., USA
SOURCE: U.S., 33 pp. Cont.-in-part of U.S. Ser. No. 140,040, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 7
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5284951	A	19940208	US 1992-859956	19920330 <--
FR 2625565	A1	19890707	FR 1988-17502	19881230 <--
AU 8929270	A1	19890801	AU 1989-29270	19881230 <--
AU 635890	B2	19930408		
DE 3891212	T	19910110	DE 1988-3891212	19881230 <--
JP 03501772	T2	19910418	JP 1989-501385	19881230 <--
JP 3172522	B2	20010604		
ZA 8900019	A	19891129	ZA 1989-19	19890103 <--
GB 2232995	A1	19910102	GB 1990-14479	19900628 <--
GB 2232995	B2	19921014		
GB 2251942	A1	19920722	GB 1992-3180	19920214 <--
GB 2252161	A1	19920729	GB 1992-3179	19920214 <--
GB 2252162	A1	19920729	GB 1992-3181	19920214 <--
US 5321136	A	19940614	US 1992-860410	19920330 <--

PRIORITY APPLN. INFO.: US 1987-140040 B2 19871231
US 1988-291843 B2 19881229
US 1989-418956 B2 19891010
WO 1988-US4719 A 19881230
GB 1990-14479 A3 19901230

OTHER SOURCE(S): MARPAT 121:157542
GI



I

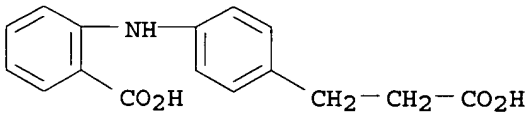
AB Claimed is a novel chemiluminescent compd. comprising an aryl ester, thioester, or amide of a carboxylic acid substituted heterocyclic ring that is susceptible to chem. attack to dissoc. the heterocyclic ring to a transient compd., wherein the heterocyclic ring is ring carbon-bonded to

the carbonyl of the ester, thioester or amide moiety and possesses a heteroatom in an oxidn. state that allows chemiluminescence by dissocg. a compd. at the carbon bonded to the carbonyl that decays to produce chemiluminescence, the aryl is a ring or ring system that is ring carbon-bonded to the oxygen, sulfur, or nitrogen of the ester, thioester, or amide, as the case may be, and contains diortho electron donating substitution in conjunction with meta and/or para substituents that possess a .sigma.p value greater than 0 and less than 1. Also described is a novel chemiluminescent labeling compn. comprising an ester, thioester or amide covalently and jointly bonded to (1) a carbon of a heterocyclic ring or ring system that is susceptible to attack by peroxide or mol. oxygen and (2) an aryl ring or ring system wherein the heterocyclic ring or ring system is distinguished by a heteroatom thereof in an oxidn. state which causes the attacked carbon atom to form an intermediate that decays and produces chemiluminescence; the aryl ring or ring system contains at least three substituents on a six-member arom. hydrocarbon that together sterically and electronically hinder hydrolysis of the linkage, which substituents involve ortho substituent groups on the aryl in conjunction with meta and/or para substituents thereon that possess an electron withdrawing capacity characterized as a .sigma.p value greater than 0 and less than 1. Anti-TSH antibody was labeled with title compd. I.

IT **126862-57-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, in prepn. of chemiluminescent label)

RN 126862-57-5 CAPLUS

CN Benzenepropanoic acid, 4-[(2-carboxyphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 24 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1992:633873 CAPLUS
DOCUMENT NUMBER: 117:233873
TITLE: N-Phenyl-9-oxoacridine-4-carboxamides, methods for their preparation and their use as neoplasm inhibitors and for increasing the sensitivity toward an antitumor drug or reversal of resistance to an antitumor drug
INVENTOR(S): Dumaitre, Bernard Andre; Dodic, Nerina
PATENT ASSIGNEE(S): Laboratoires Glaxo SA, Fr.
SOURCE: Eur. Pat. Appl., 82 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 494623	A1	19920715	EP 1992-100123	19920107 <--
R: PT				
CA 2100258	AA	19920712	CA 1992-2100258	19920107 <--
WO 9212132	A1	19920723	WO 1992-EP20	19920107 <--
W: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, RU, SD, SE, US				

RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG

AU 9211543	A1	19920817	AU 1992-11543	19920107 <--
AU 652996	B2	19940915		
EP 569380	A1	19931118	EP 1992-901861	19920107 <--
EP 569380	B1	19970528		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE

JP 06506440	T2	19940721	JP 1992-501671	19920107 <--
JP 2783680	B2	19980806		
HU 68856	A2	19950828	HU 1993-1989	19920107 <--
PL 168202	B1	19960131	PL 1992-299989	19920107 <--
PL 169396	B1	19960731	PL 1992-307547	19920107 <--
AT 153660	E	19970615	AT 1992-901861	19920107 <--
ES 2104887	T3	19971016	ES 1992-901861	19920107 <--
CZ 283038	B6	19971217	CZ 1993-1378	19920107 <--
RU 2119482	C1	19980927	RU 1993-51543	19920107 <--
SK 280864	B6	20000814	SK 1993-730	19920107
ZA 9200183	A	19921028	ZA 1992-183	19920110 <--
IL 100631	A1	19960912	IL 1992-100631	19920110 <--
CN 1081181	A	19940126	CN 1992-109524	19920710 <--
CN 1042421	B	19990310		
NO 9302512	A	19930909	NO 1993-2512	19930709 <--
US 5604237	A	19970218	US 1995-468620	19950606 <--

PRIORITY APPLN. INFO.:

GB 1991-628	A	19910111
GB 1991-637	A	19910111
GB 1991-15956	A	19910724
GB 1991-15981	A	19910724
WO 1992-EP20	A	19920107
US 1993-84258	B1	19930726
US 1994-348946	A1	19941125

OTHER SOURCE(S): CASREACT 117:233873; MARPAT 117:233873

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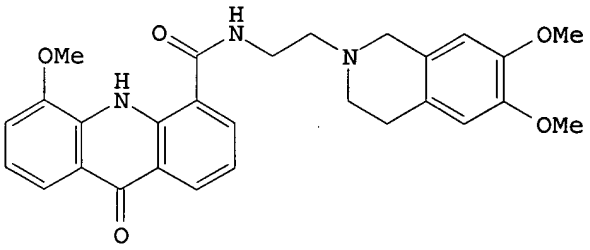


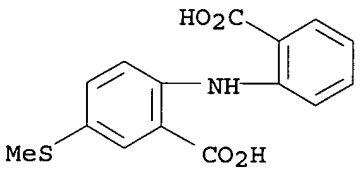
I

AB Certain N-phenyl-9-oxoacridine-4-carboxamide derivs. are claimed. The use of said compds. for the treatment of cancer, increasing the sensitivity toward an antitumor drug or to reverse the resistance to an antitumor drug is claimed. Pharmaceuticals contg. known neoplasm inhibitors, (alkaloids, anthracyclins, etc.) (i.e., drugs having a cross-resistance with the above drugs characterized by a multi drug-resistant phenotype) and said N-phenyl-9-oxoacridine-4-carboxamide derivs. are claimed. Thus, 9,10-dihydro-5-methoxy-9-oxo-N-[4-[2-(1,2,3,4-tetrahydro-6,7-dimethoxy-2-isoquinolinyl)ethyl]phenyl]-4-acridinecarboxamide (I) was prepd. in a multistep synthesis. I had cytotoxic activity in multidrug-resistant chinese hamster ovary cells.

IT **143667-03-2**

RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn . of, as intermediate for N-phenyloxoacridinecarboxamide deriv.

(neoplasm inhibitor))
RN 143667-03-2 CAPLUS
CN Benzoic acid, 2-[(2-carboxyphenyl)amino]-5-(methylthio)- (9CI) (CA INDEX NAME)



L15 ANSWER 25 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1992:591483 CAPLUS
DOCUMENT NUMBER: 117:191483
TITLE: An environmentally improved process of preparing 2,5-di(phenylamino)terephthalic acids and dialkyl esters as high-purity products
INVENTOR(S): Arndt, Otto; Fuchs, Hermann; Gilb, Walter
PATENT ASSIGNEE(S): Hoechst A.-G., Germany
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 9209558	A1	19920611	WO 1991-EP2067	19911102	<--
W: BR, CA, JP, KR, US					
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE					
IN 177106	A	19961116	IN 1991-CA823	19911101	<--
CA 2096845	AA	19920524	CA 1991-2096845	19911102	<--
BR 9106992	A	19930824	BR 1991-6992	19911102	<--
EP 558511	A1	19930908	EP 1991-918521	19911102	<--
EP 558511	B1	19960417			
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL					
JP 05507285	T2	19931021	JP 1991-517673	19911102	<--
JP 07091245	B4	19951004			
IN 178203	A	19970315	IN 1993-CA234	19930423	<--
US 5347038	A	19940913	US 1993-64116	19930520	<--

PRIORITY APPLN. INFO.: DE 1990-4037244 A 19901123
DE 1991-4101084 A 19910116
WO 1991-EP2067 A 19911102
OTHER SOURCE(S): MARPAT 117:191483
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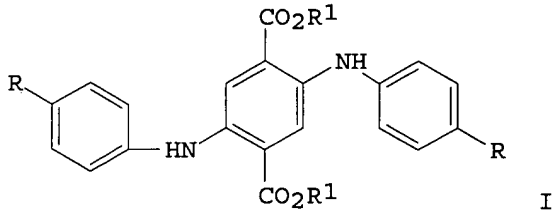


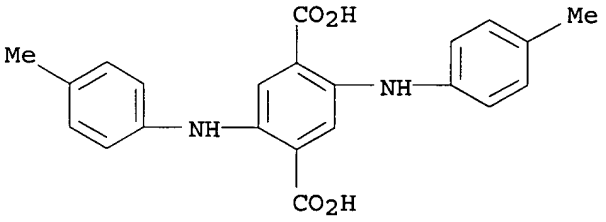
I

AB The title compds. (I; R = H, Me; R1 = H, Me, Et), useful as intermediates for quinacridone pigments, were prepd. by a process comprising (a) Dieckmann-type condensation of Me or Et succinate with a Na alcoholate in xylene to give di-Na salt of Me or Et 2,5-dihydroxycyclohexadiene-1,4-dicarboxylate, (b) treatment of the latter by a phenylamine 4-RC6H4NH2 (R as above) in the presence of an acid in xylene, (c) oxidative dehydrogenation by O (air) of the resulting Me or Et 2,5-di(phenylamino)dihydro-3,6-terephthalate to give Me or Et 2,5-di(phenylamino)terephthalate, (d) sapon. of the di-ester by methanolic NaOH, and (e) acidification of the di-Na salt to give the title acid. The process was environmentally improved in the above steps as follows: (a) di-esters were used in the next step without isolation from their mixts. with xylene, (b) the reaction of di-esters with phenylamines was carried out in the presence of EtCO2H or hexafluoropropanesulfonic acid catalysts, (c) 100% O(g) was used in a closed app. for the oxidative dehydrogenation of dihydroterephthalate esters by a gas mixt. contg. .ltoreq.8 vol.% O, in the presence of a solid catalyst, the resulting terephthalate diesters were sepd. by filtration in an aq. medium, and then purified on the filter by a steam blowing and washing with MeOH or EtOH. Thus, starting from di-Me 2,5-dihydroxycyclohexadiene-1,4-dicarboxylate ("SucEst"), <99% pure 2,5-di-p-toluidinoterephthalic and 2,5-dianilinoterephthalic acid were prepd. in >95% yield.

IT **10291-28-8P**, 2,5-Di-p-toluidinoterephthalic acid
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, process for, environmental pollution prevention in)

RN 10291-28-8 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 26 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1992:448550 CAPLUS

DOCUMENT NUMBER: 117:48550

TITLE: Preparation of benzimidazoles as antihypertensives and angiotensin II receptor antagonists

INVENTOR(S): Franz, Robert Gene; Weinstock, Joseph

PATENT ASSIGNEE(S): SmithKline Beecham Corp., USA

<N30/09/2003Page 43 16:36 <golam sha <mm/dd/yyyy

SOURCE: PCT Int. Appl., 62 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9116313	A1	19911031	WO 1991-US2396	19910408 <--
W: AU, CA, JP, KR, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
AU 9177595	A1	19911111	AU 1991-77595	19910408 <--
EP 525129	A1	19930203	EP 1991-919039	19910408 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 05507469	T2	19931028	JP 1991-508599	19910408 <--
ZA 9102656	A	19920325	ZA 1991-2656	19910410 <--
US 5294631	A	19940315	US 1992-937885	19921013 <--

PRIORITY APPLN. INFO.: US 1990-509268 19900413
WO 1991-US2396 19910408

OTHER SOURCE(S): MARPAT 117:48550
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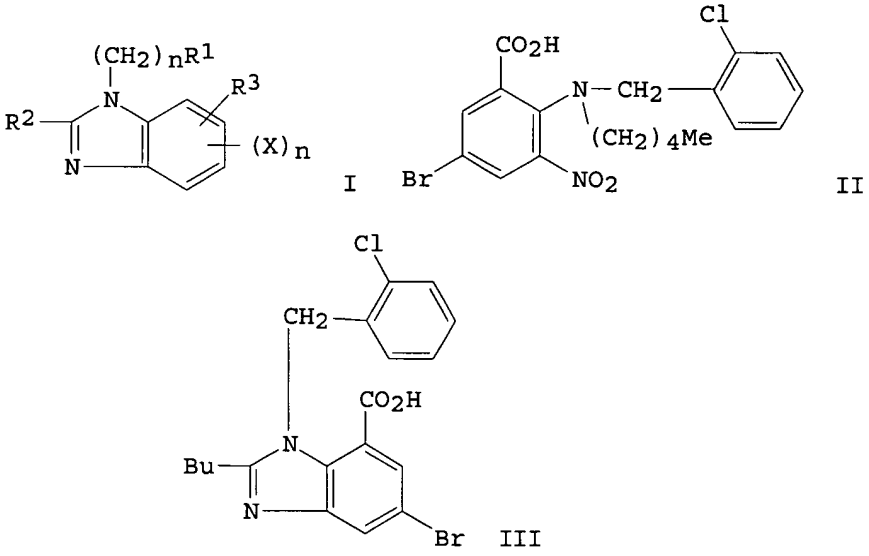
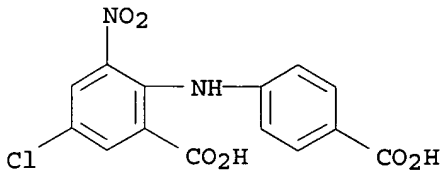


I II III

AB Benzimidazoles [I; R1 = (substituted) Ph, heterocyclyl, etc.; R2 = H, C2-10 alkyl, C3-10 alkenyl, C3-6 cycloalkyl, etc.; R3 = arylalkenyl, carboxyalkyl, (tetrazol-5-yl)alkyl, heterocyclylalkenyl, etc.; n = 0-2] are prepd. and formulated. A soln. of benzoic acid II in THF was dild. with 5% NaHCO3 and treated with NaHSO3 at pH 7.1, the mixt. was filtered, dild. with Et2O, the org. layer sepd., concd., dissolved in HOAc, and heated with HCl to give 37% benzimidazole III, which showed antihypertensive activity with IC30 of 32 mg/kg orally in rats.

IT **138992-96-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. and reaction of, in prepn. of angiotensin II antagonist)
RN 138992-96-8 CAPLUS
CN Benzoic acid, 2-[(4-carboxyphenyl)amino]-5-chloro-3-nitro- (9CI) (CA INDEX NAME)



L15 ANSWER 27 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1991:607871 CAPLUS
DOCUMENT NUMBER: 115:207871
TITLE: Potential anticancer agents derived from acridine
INVENTOR(S): Watanabe, Kyoichi A.; Takahashi, Kiyobumi
PATENT ASSIGNEE(S): Sloan-Kettering Institute for Cancer Research, USA
SOURCE: PCT Int. Appl., 124 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9105770	A1	19910502	WO 1990-US5958	19901017 <--
W: AU, CA, HU, JP, KR, SU				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
AU 9066260	A1	19910516	AU 1990-66260	19901017 <--
US 5229395	A	19930720	US 1991-754283	19910830 <--
PRIORITY APPLN. INFO.:			US 1989-422629	19891017
			WO 1990-US5958	19901017

OTHER SOURCE(S): MARPAT 115:207871
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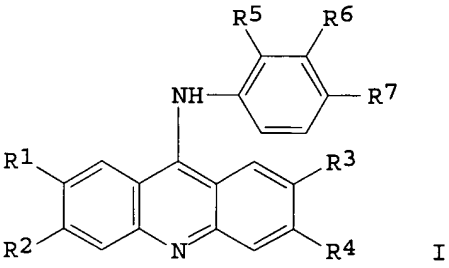
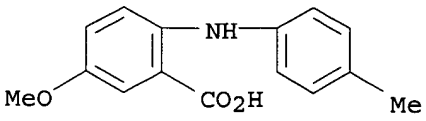


I

AB Numerous title compds. I [R1-R4 = H, lower alkyl, lower alkoxy; R5-R7 = H, (CH2)nOH, (CH2)nO2CNR8R9, R8,R9 = H, lower alkyl, n = 1-4] were prepd. from o-chlorobenzoic acids by sequential substitution with anilines, conversion to the piperides, cyclization by POCl3 to 9-chloroacridines, substitution by (hydroxyalkyl)anilines and optional conversion to carbamates.

<N30/09/2003Page 45 16:36 <golam sha <mm/dd/yyyy

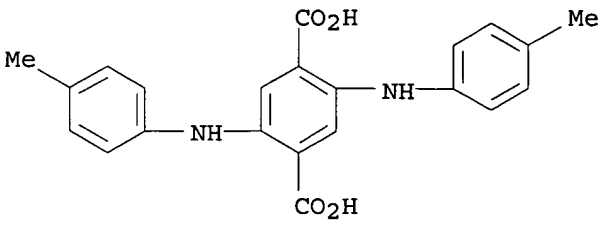
IT **56980-16-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and conversion to piperide)
RN 56980-16-6 CAPLUS
CN Benzoic acid, 5-methoxy-2-[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 28 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1991:6021 CAPLUS
DOCUMENT NUMBER: 114:6021
TITLE: Preparation of 2,5-diarylaminoterephthalic acids
INVENTOR(S): Schuetze, Detlef Ingo; Schmitz, Reinold
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: Eur. Pat. Appl., 8 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 363756	A2	19900418	EP 1989-118109	19890929 <--
EP 363756	A3	19910327		
EP 363756	B1	19921202		
R: CH, DE, FR, GB, LI				
DE 3834747	A1	19900503	DE 1988-3834747	19881012 <--
US 4981997	A	19910101	US 1989-414825	19890929 <--
JP 02169556	A2	19900629	JP 1989-264105	19891012 <--
JP 2882535	B2	19990412		

PRIORITY APPLN. INFO.: DE 1988-3834747 19881012
OTHER SOURCE(S): CASREACT 114:6021; MARPAT 114:6021
AB The title compds., which are useful as intermediates in the prodn. of violet or red quinacridone pigments, are prepd. by oxidn. of 2,5-diarylamino-3,6-dihydroterephthalic acid esters with O or O-contg. gases, preferably air, in alc. alk. or alc. aq. alk. soln. or suspension in the presence of an O-transporting agent and a quaternary ammonium compd. Thus, 2,5-dianilinoterephthalic acid (I) was prepd. by passing air through a suspension contg. di-Et 2,5-dianilinoterephthalate, 14% aq. NaOH, anthraquinone-2-sulfonic acid, dodecylbenzyldimethylammonium chloride, and MeOH. The yield of I was 99%.
IT **10291-28-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as intermediate for quinone pigments)
RN 10291-28-8 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



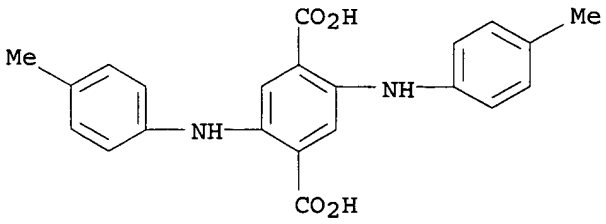
L15 ANSWER 29 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1990:499467 CAPLUS
DOCUMENT NUMBER: 113:99467
TITLE: 2,9-Dimethylquinacridone pigments with improved rheological properties
INVENTOR(S): Dietz, Erwin; Kroh, Adolf
PATENT ASSIGNEE(S): Hoechst A.-G., Germany
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 362690	A2	19900411	EP 1989-117933	19890928 <--
EP 362690	A3	19910918		
EP 362690	B1	19940810		
R: CH, DE, FR, GB, IT, LI				
DE 3833423	A1	19900419	DE 1988-3833423	19881001 <--
CA 1336776	A1	19950822	CA 1989-614210	19890928 <--
JP 02123168	A2	19900510	JP 1989-252545	19890929 <--
JP 2911500	B2	19990623		
KR 9707345	B1	19970507	KR 1989-14001	19890929 <--
US 5368641	A	19941129	US 1992-995354	19921222 <--

PRIORITY APPLN. INFO.: DE 1988-3833423 A 19881001
US 1989-414754 B1 19890928
OTHER SOURCE(S): MARPAT 113:99467

AB The title pigments or mixed crystal pigments, having improved rheol. properties, useful in lacquers, coating materials, etc., having an av. crystal length-width ratio of <2:1 and av. particle size <0.4 .mu.m, are prepd. Thus, 135 parts wet crude 2,9-dimethylquinacridone (27.6%) was added to 240 parts iso-BuOH and stirred for 30 min at 25-30.degree.. Then, 1.96 parts (3'-dimethylaminopropyl)quinacridonebissulfonamide (I) powder was added, the mixt. stirred for 15 min, 2.9 parts 33% NaOH soln. and 59 parts H2O added, the mixt. heated to 90.degree. and stirred 1 h, heated to 115.degree. and stirred 3 h, the iso-BuOH distd., and the pigment filtered, producing a blue pigment having crystal length-width ratio 1.8:1, sp. surface area 92 m2/g, gloss (DIN 67530) 88, and rheol. 5, vs. 71, 4.5:1, 53, and 1 (nonflowing), resp., for a control pigment prepd. without I.

IT **10291-28-8**
RL: USES (Uses)
(pigments contg., manuf. of, with improved rheol. properties)
RN 10291-28-8 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1990:216912 CAPLUS
DOCUMENT NUMBER: 112:216912
TITLE: Preparation of N-phenylmethyl-4,4-dimethyl-3-isoxazolidinones as plant growth regulators
INVENTOR(S): Chang, Jun H.; Baum, Jonathan S.
PATENT ASSIGNEE(S): FMC Corp., USA
SOURCE: U.S., 14 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4892578	A	19900109	US 1987-118390	19871106 <--

PRIORITY APPLN. INFO.: US 1987-118390 19871106
OTHER SOURCE(S): MARPAT 112:216912
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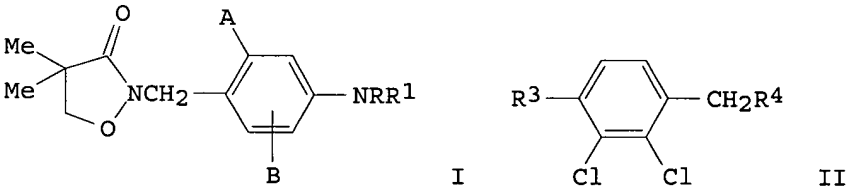
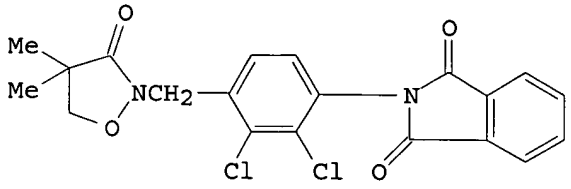


I

II



III

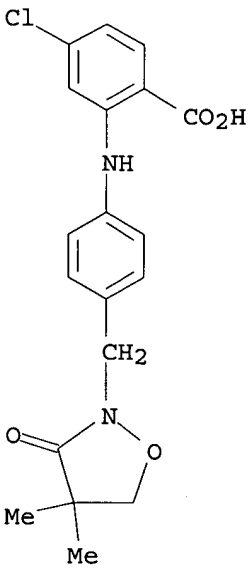
AB The title compds. [I; A, B = H, halo; AB = atoms to complete a fused benzene ring; R = H, alkyl; R1 = COYCO2R2, 1H-2-benzopyran-1-on-3-yl; R2 = H, Me, CHPh2, agrochem. acceptable cation; NRR1 = 2-hydroxyphenyl-, 4-halo-2-hydroxyphenyl-, or 2-thienylmethylimino, or phthalidylidenylamino; RR1 = COYCO; Y = (un)substituted alkylene, alkenylene, o-phenylenediyl, CH2OCH2, I in which A = Cl, B = H, and NRR1 = phthalimide-4,5-diyl, etc.] were prepd. Thus, dichlorotoluidine II (R3 =

NH2, R4 = H) was condensed with phthalic anhydride to give II [R3 = NHCOC6H4(CO2H)-2, R4 = H] which was refluxed 2 h with H2SO4 in MeOH to give II (R3 = phthalimido, R4 = H). The latter was refluxed 22 h with NBS in CCl4 contg. BzOOBz to give II (R3 = phthalimido, R4 = Br) which was condensed with 4,4-dimethyl-3-isoxazolidinone to give title compd. III which gave 5 morphol. responses, e.g., stunting, desiccation, etc., in soybeans at 8.0 kg/ha postemergent.

IT **126951-69-7P 126952-78-1P 126952-79-2P**
126952-80-5P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as plant growth regulator)

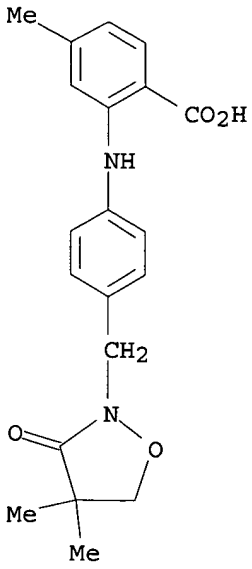
RN 126951-69-7 CAPLUS

CN Benzoic acid, 4-chloro-2-[[4-[(4,4-dimethyl-3-oxo-2-isoxazolidinyl)methyl]phenyl]amino]- (9CI) (CA INDEX NAME)

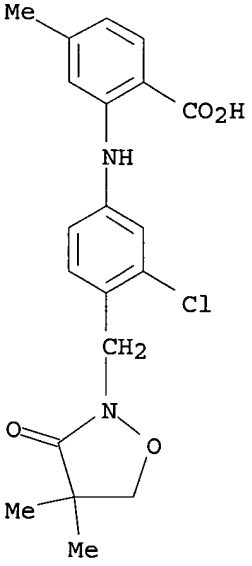


RN 126952-78-1 CAPLUS

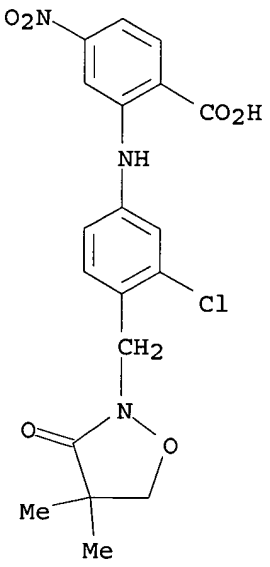
CN Benzoic acid, 2-[[4-[(4,4-dimethyl-3-oxo-2-isoxazolidinyl)methyl]phenyl]amino]-4-methyl- (9CI) (CA INDEX NAME)



RN 126952-79-2 CAPLUS
CN Benzoic acid, 2-[[3-chloro-4-[(4,4-dimethyl-3-oxo-2-isoxazolidinyl)methyl]phenyl]amino]-4-methyl- (9CI) (CA INDEX NAME)



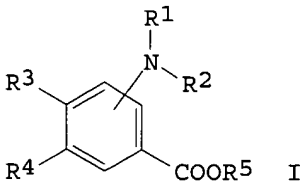
RN 126952-80-5 CAPLUS
CN Benzoic acid, 2-[[3-chloro-4-[(4,4-dimethyl-3-oxo-2-isoxazolidinyl)methyl]phenyl]amino]-4-nitro- (9CI) (CA INDEX NAME)



L15 ANSWER 31 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1988:143467 CAPLUS
DOCUMENT NUMBER: 108:143467
TITLE: Use of amino-substituted benzoates as remedy for diarrhea, and pharmaceuticals containing these compounds
INVENTOR(S): Englert, Heinrich Christian; Hropot, Max; Lang, Hans Jochen; Greger, Rainer
PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 6 pp.
CODEN: GWXXBX
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3608726	A1	19870917	DE 1986-3608726	19860315 <--
EP 242559	A2	19871028	EP 1987-103389	19870310 <--
EP 242559	A3	19900523		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
DK 8701311	A	19870916	DK 1987-1311	19870313 <--
JP 62221659	A2	19870929	JP 1987-56948	19870313 <--
US 4921875	A	19900501	US 1987-25580	19870313 <--

PRIORITY APPLN. INFO.: DE 1986-3608726 19860315
GI



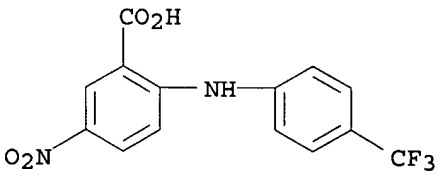
I

AB A remedy for diarrhea contains a compd. of formula I [NR1R2 is meta- or ortho- to carboxyl; R1, R2 = H, C1-6 alkyl (straight or branched chain), C4-8 cycloalkyl, (un)substituted Ph or naphthyl; R1R2 = (Me-substituted) (CH2)m, (CH:CH)n; m = 3-6; n = 2-3;; R3 = H, F, Cl, Br, I, C1-6 alkyl; R4 = H, NO2; R5 = H, physiol. cleavable group].

IT **107946-89-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, for treatment of diarrhea)

RN 107946-89-4 CAPLUS

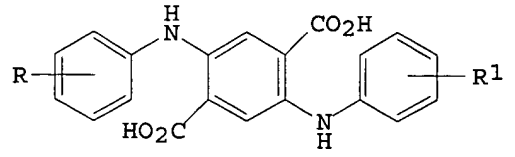
CN Benzoic acid, 5-nitro-2-[[4-(trifluoromethyl)phenyl]amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 32 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1986:186319 CAPLUS
DOCUMENT NUMBER: 104:186319
TITLE: 2-Anilinoacridone
INVENTOR(S): Hoeltje, Wilfried G.
PATENT ASSIGNEE(S): Ciba-Geigy Corp. , USA
SOURCE: U.S., 5 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4544746	A	19851001	US 1982-378802	19820517 <--

PRIORITY APPLN. INFO.: US 1982-378802 19820517
GI



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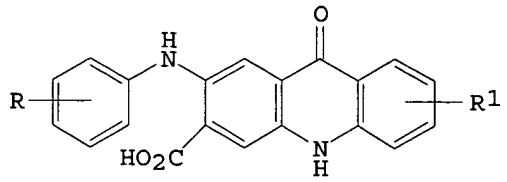

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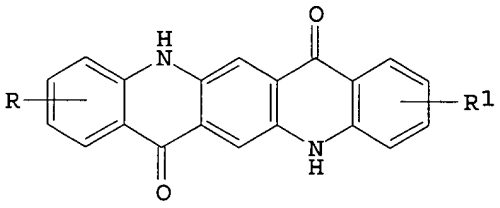


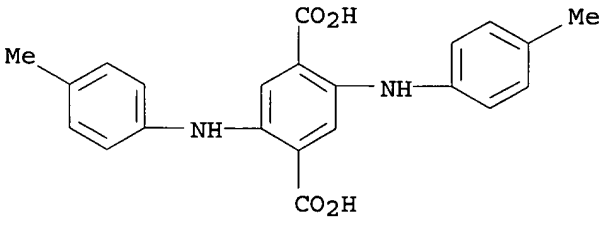
III

AB Half-cyclization of anilinoterephthalic acids I (R, R1 = H, Cl, C1-4 alkyl or alkoxy) in 50-75% polyphosphoric acid (PPA) and 50-25% H3PO4 at 100-120.degree. 5-90 min gave acridones II and a little quinacridones III. Thus, I (R = R1 = H) was half-cyclized in 135:65 mL PPA-85% H3PO4 to give 15% III and 74% II. Decarboxylation of II (R = R1 = H) by dissolving in tetramethylene sulfone and heating in the presence of Cu2(OH)2CO3 gave 93% 2-(phenylamino)-9(10H)-acridinone.

IT **10291-28-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(half-cyclization of)

RN 10291-28-8 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1985:596074 CAPLUS
DOCUMENT NUMBER: 103:196074
TITLE: Pyrazolo[3,4,5-kl]acridine compounds and pharmaceutical compositions comprising them
INVENTOR(S): Capps, David B.
PATENT ASSIGNEE(S): Warner-Lambert Co. , USA
SOURCE: Eur. Pat. Appl., 102 pp.

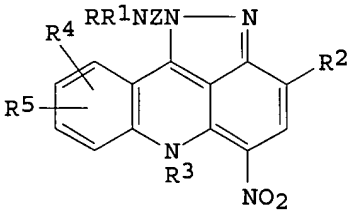
<N30/09/2003Page 53 16:36 <golam sha <mm/dd/yyyy

CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
EP 138302	A1	19850424	EP 1984-304784	19840713	<--
EP 138302	B1	19880309			
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE					
US 4555572	A	19851126	US 1984-619258	19840615	<--
CA 1271476	A1	19900710	CA 1984-457484	19840626	<--
AU 8430564	A1	19850124	AU 1984-30564	19840713	<--
AU 569532	B2	19880204			
AT 32897	E	19880315	AT 1984-304784	19840713	<--
DK 8403514	A	19850120	DK 1984-3514	19840718	<--
DK 161384	B	19910701			
DK 161384	C	19920106			
JP 60069084	A2	19850419	JP 1984-147733	19840718	<--
JP 05059916	B4	19930901			
ES 534414	A1	19861201	ES 1984-534414	19840718	<--
US 4588730	A	19860513	US 1985-768310	19850822	<--
ES 550774	A1	19870216	ES 1986-550774	19860110	<--
ES 550775	A1	19870216	ES 1986-550775	19860110	<--
ES 550776	A1	19870301	ES 1986-550776	19860110	<--
ES 550777	A1	19870301	ES 1986-550777	19860110	<--
US 4621086	A	19861104	US 1986-821318	19860122	<--
JP 06041127	A2	19940215	JP 1993-82422	19930318	<--
JP 07030076	B4	19950405			

PRIORITY APPLN. INFO.:
US 1983-515125 19830719
US 1984-619258 19840615
US 1983-545125 19830719
EP 1984-304784 19840713
US 1985-768310 19850822

OTHER SOURCE(S): CASREACT 103:196074
GI



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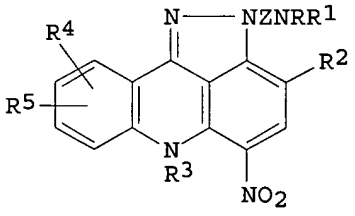
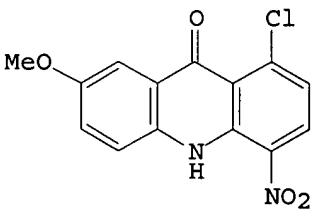


II



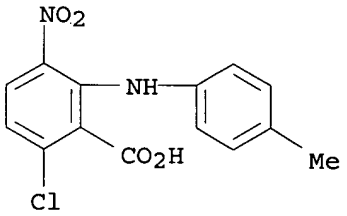
III

AB The title compds. [I and II; R, R1 = H, alkyl, hydroxyalkyl; RR1N = piperidino, pyrrolidino; R2 = H, NO2; R3 = H, alkyl; R4, R5 = H, alkyl, amino, trialkylsilyloxy, OH, esterified OH, (un)substituted alkoxy, PhCH2O; Z = alkylene] were prepd. Thus, 2,6,3-Cl2(O2N)C6H2CO2H was treated with 4-MeOC6H4NH2 to give 79% 6,3,2-Cl(O2N)(4-MeOC6H4NH)C6H2CO2H. This was cyclized by refluxing in PhCl/POCl3 to give 95% acridinone III, which was cyclocondensed with Et2NCH2CH2NHNH2 to give 79% II (R = R1 = Et, R2-R4 = H, R5 = 9-MeO, Z = CH2CH2) (IV). Mice infected with lymphocytic leukemia P388 and administered 50 mg IV/kg/day i.p. for 5 days had a life span 167% that of the controls.

IT **55830-46-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and cyclization of)

RN 55830-46-1 CAPLUS

CN Benzoic acid, 6-chloro-2-[(4-methylphenyl)amino]-3-nitro- (9CI) (CA INDEX NAME)



L15 ANSWER 34 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1984:103383 CAPLUS
DOCUMENT NUMBER: 100:103383
TITLE: Quinazolinone derivatives and their use in pharmaceuticals
INVENTOR(S): Opitz, Wolfgang; Jacobi, Haireddin; Pelster, Bernhard
PATENT ASSIGNEE(S): Troponwerke G.m.b.H. und Co. K.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 27 pp.
CODEN: GWXXBX
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
DE 3220438	A1	19831201	DE 1982-3220438	19820529	<--
US 4539402	A	19850903	US 1983-492775	19830509	<--
EP 95641	A1	19831207	EP 1983-104794	19830516	<--
EP 95641	B1	19870729			
R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE					
AT 28647	E	19870815	AT 1983-104794	19830516	<--
JP 59042385	A2	19840308	JP 1983-92639	19830527	<--

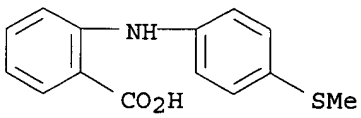
PRIORITY APPLN. INFO.: DE 1982-3220438 19820529
EP 1983-104794 19830516
OTHER SOURCE(S): CASREACT 100:103383
GI For diagram(s), see printed CA Issue.
AB Title compds. I [Z forms an unsubstituted imidazo, dihydroimidazo, dihydropyrimido, or benzimidazo ring(s); R = haloalkyl, alkylthio,

alkylsulfinyl, alkylsulfonyl, NO2, (un)substituted amino] were prepd. and had antiphlogistic and analgesic activity. Thus, 2-(3-O2NC6H4NH)C6H4CO2H was treated with PCl5, then 2-methylthio-2-imidazoline to give the dihydroimidazoquinazolinone II, which had an ED50 of 1.3 mg/kg against carrageenan-induced edema and an ED50 of 0.5 mg/kg as a sedative.

IT **35958-19-1**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with phosphorus pentachloride)

RN 35958-19-1 CAPLUS

CN Benzoic acid, 2-[[4-(methylthio)phenyl]amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 35 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1982:615761 CAPLUS

DOCUMENT NUMBER: 97:215761

TITLE: Dimethyl succinylsuccinate, its disodium salt, dianilinodihydroterephthalic acids, their dimethyl esters and salts, and dianilinoterephthalic acids, their dimethyl esters and salts

INVENTOR(S): Rolf, Meinhard; Schuetze, Detlef Ingo; Neeff, Ruetger; Runzheimer, Volker

PATENT ASSIGNEE(S): Bayer A.-G. , Fed. Rep. Ger.

SOURCE: Ger. Offen., 19 pp.
CODEN: GWXXBX

DOCUMENT TYPE: **Patent**

LANGUAGE: German

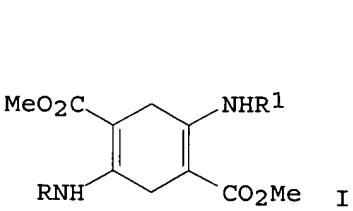
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
DE 3104644	A1	19820819	DE 1981-3104644	19810210	<--
US 4435589	A	19840306	US 1982-341047	19820121	<--
EP 57873	A1	19820818	EP 1982-100611	19820129	<--
EP 57873	B1	19840725			
R: CH, DE, FR, GB					
JP 57149252	A2	19820914	JP 1982-18304	19820209	<--
JP 02044297	B4	19901003			

PRIORITY APPLN. INFO.: DE 1981-3104644 19810210

GI



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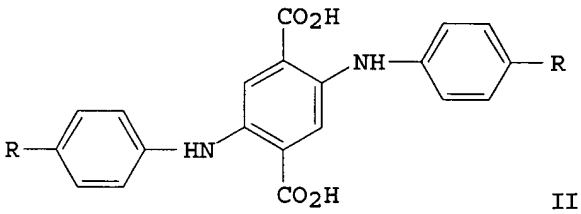


III

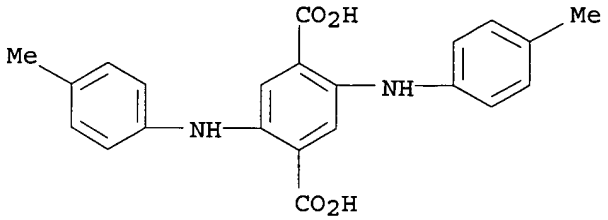
<N30/09/2003Page 56 16:36 <golam sha <mm/dd/yyyy

AB I (R, R1 = aryl) were prepd. Condensation of MeO2CCH2CH2CO2Me (II) with MeONa gave di-Me succinylsuccinate. Amination-cyclization of II with MeONa and RC6H4NH2 under N, followed by oxidn. with air in the presence of anthraquinone-2-sulfonic acid gave III (R = H, Cl, Me).

IT **10291-28-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 10291-28-8 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1982:411857 CAPLUS

DOCUMENT NUMBER: 97:11857

TITLE: Agent for treating peptic ulcers

INVENTOR(S): Tanemura, M.; Yamazaki, T.; Mizuno, K.; Kaiho, S.; Kakimoto, M.; Hoshino, E.; Matsunaga, I.; Hata, S.

PATENT ASSIGNEE(S): Chugai Pharmaceutical Co., Ltd. , Japan

SOURCE: Belg., 14 pp.
CODEN: BEXXAL

DOCUMENT TYPE: **Patent**

LANGUAGE: French

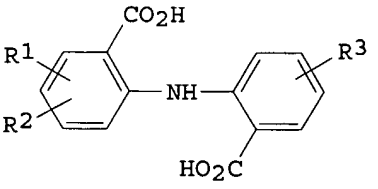
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
BE 891278	A1	19820316	BE 1981-206680	19811127	<--
JP 57091914	A2	19820608	JP 1980-166662	19801128	<--
US 4447453	A	19840508	US 1981-322182	19811117	<--
ZA 8108066	A	19821124	ZA 1981-8066	19811120	<--
DK 8105277	A	19820529	DK 1981-5277	19811127	<--
EP 53379	A1	19820609	EP 1981-109971	19811127	<--
R: BE, CH, DE, FR, GB, IT, NL, SE					
DE 3147133	A1	19820616	DE 1981-3147133	19811127	<--

PRIORITY APPLN. INFO.: JP 1980-166662 19801128

GI



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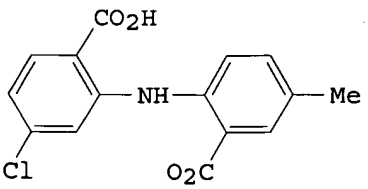


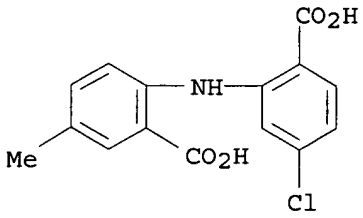
II

AB Aminobenzoic acid derivs. (I, R1, R2, or R3 = H, alkyl, alkoxy, or halogen) were prepd. having very low toxicity and high antiulcer activity. Thus, tablets were prepd. contg. II Na salt [**82050-63-3**] 100, lactose 46, cryst. cellulose 27, corn starch 5, and Mg stearate 2 g. Tablets (180 mg) were effective in ulcer treatment. The antiulcer potency of the aminobenzoates was tested in rats. I can be administered orally (250-750 mg/day) or i.v. (50-150 mg/day).

IT **82050-63-3**
RL: BIOL (Biological study)
(peptic ulcers treatment with)

RN 82050-63-3 CAPLUS

CN Benzoic acid, 2-[(2-carboxy-4-methylphenyl)amino]-4-chloro-, sodium salt (9CI) (CA INDEX NAME)

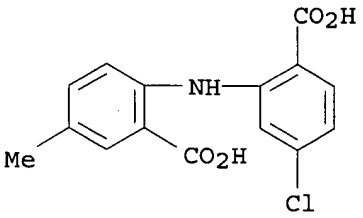


Ox Na

IT **82050-49-5P 82050-56-4P 82050-58-6P**
82050-61-1P
RL: PREP (Preparation)
(prepn. of, for peptic ulcer treatment)

RN 82050-49-5 CAPLUS

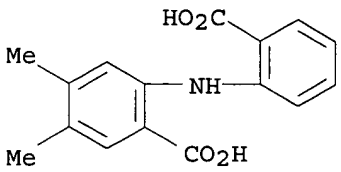
CN Benzoic acid, 2-[(2-carboxy-4-methylphenyl)amino]-4-chloro- (9CI) (CA INDEX NAME)



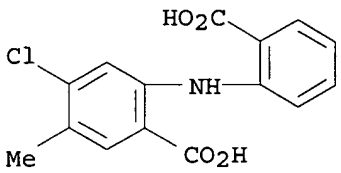
RN 82050-56-4 CAPLUS

CN Benzoic acid, 2-[(2-carboxyphenyl)amino]-4,5-dimethyl- (9CI) (CA INDEX NAME)

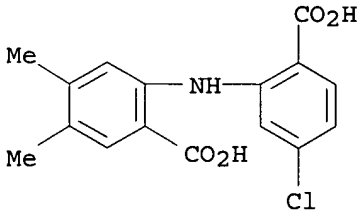
<N30/09/2003Page 58 16:36 <golam shamemm/dd/yyyy



RN 82050-58-6 CAPLUS
CN Benzoic acid, 2-[(2-carboxyphenyl)amino]-4-chloro-5-methyl- (9CI) (CA INDEX NAME)



RN 82050-61-1 CAPLUS
CN Benzoic acid, 2-[(2-carboxy-5-chlorophenyl)amino]-4,5-dimethyl- (9CI) (CA INDEX NAME)



L15 ANSWER 37 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1981:214626 CAPLUS
DOCUMENT NUMBER: 94:214626
TITLE: Pharmaceutical composition containing acridone and xanthone compounds
INVENTOR(S): Gorvin, John H.
PATENT ASSIGNEE(S): Burroughs Wellcome Co., USA
SOURCE: U.S., 14 pp. Division of U.S. 3,950,342.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
US 4250182	A	19810210	US 1975-643603	19751222	<--
CA 1009660	A1	19770503	CA 1972-151209	19720907	<--
US 3950342	A	19760413	US 1973-338578	19730306	<--
US 3987088	A	19761019	US 1973-338414	19730306	<--
AT 7502942	A	19761015	AT 1975-2942	19750417	<--
AT 337169	B	19770610			

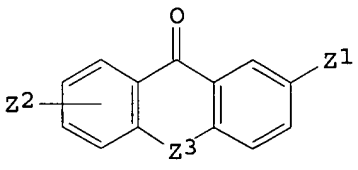
<N30/09/2003Page 59 16:36 <golam sha <mm/dd/yyyy

AT 7502941	A	19761115	AT 1975-2941	19750417 <--
AT 337680	B	19770711		
CA 1009576	A2	19770503	CA 1975-238615	19751027 <--
FI 7600877	A	19760401	FI 1976-877	19760401 <--

PRIORITY APPLN. INFO.:

GB 1972-8609	19720224
GB 1972-8610	19720224
US 1972-287043	19720709
GB 1972-39940	19720829
GB 1972-40079	19720829
GB 1972-41852	19721108
US 1973-338578	19730306
GB 1971-41852	19710908
GB 1972-8608	19720224
GB 1972-14909	19720329
GB 1972-35818	19720801
GB 1972-33939	19720829
AT 1972-7680	19720907
CA 1972-151209	19720907
FI 1972-2465	19720907
US 1972-287042	19720907

GI



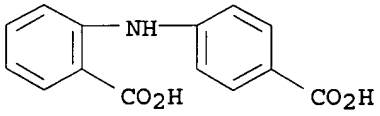
I

AB Acridone and xanthones I (Z1 = carboxyl, its salts, esters or amides; Z2 = same as Z1, H, NO2, CN, halo, acyl, alkyl, etc.; Z3 = O or NR where R = H or C1-4 alkyl) are useful for the relief or prophylaxis of allergic conditions. Xanthone 2,6-dicarboxylic acid (II) [33872-64-9] was prepd. by the hydrolyzing 9-oxoxanthene 2,6-dicarbonitrile [52156-60-2]. Alternatively, I was also prepd. by H2SO4 hydrolysis and cyclization of 2,5,4'-tricyanodiphenyl ether [42946-44-1] which was obtained by the condensation of p-NaOC6H4CN [3328-57-2] and 2-nitroterephthalodinitrile [4193-70-8]. A lotion for topical use was prepd. from II di-Na salt [42946-47-4] 1.5, sorbitan monolaurate 0.6, polysorbate 20, 0.6 cetostearyl alc. 1.2, glycerin 6, and Me hydroxybenzoate .apprx.0.2 g.

IT **17332-57-9 77769-89-2**
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclization of)

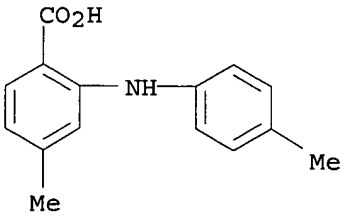
RN 17332-57-9 CAPLUS

CN Benzoic acid, 2-[(4-carboxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 77769-89-2 CAPLUS

CN Benzoic acid, 4-methyl-2-[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)

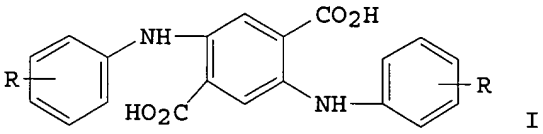


L15 ANSWER 38 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1980:496942 CAPLUS
DOCUMENT NUMBER: 93:96942
TITLE: Quinacridone pigment mixture
INVENTOR(S): Fuchs, Otto; Kroh, Adolf
PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 15 pp.
CODEN: GWXXBX
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

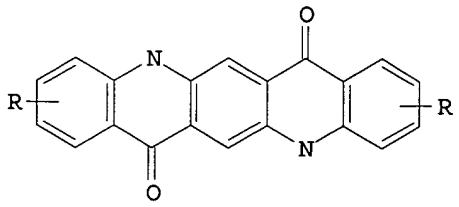
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
DE 2842468	A1	19800410	DE 1978-2842468	19780929	<--
EP 9720	A1	19800416	EP 1979-103528	19790919	<--
EP 9720	B1	19820929			
R: BE, CH, DE, FR, GB					
JP 55048250	A2	19800405	JP 1979-124294	19790928	<--
JP 63018628	B4	19880419			
BR 7906238	A	19800527	BR 1979-6238	19790928	<--
US 4400515	A	19830823	US 1981-237505	19810223	<--

PRIORITY APPLN. INFO.: DE 1978-2842468 19780929
US 1979-79592 19790927

GI



I



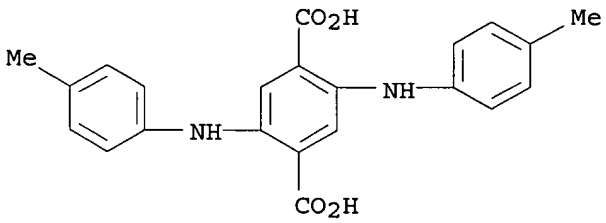
II

AB Mixts. of I (R = Me, Cl) and I (R = CONH2, substituted carbamoyl) are cyclized by treatment with an acidic condensation agent to give mixts. of II (R = Me, Cl) and II (R = CONH2, substituted carbamoyl), which are

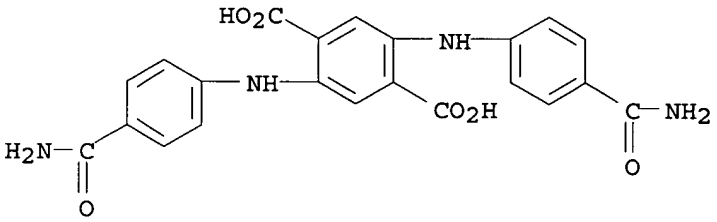
useful as pigments with high transparency, rheol. properties, and fastness. Thus, 47 parts 2,5-bis(4-methylphenylamino)terephthalic acid [**10291-28-8**] and 3 parts 2,5-bis(4-carbamoylphenylamino)terephthalic acid [**74539-46-1**] were stirred 2 h at 125.degree. with 150 parts polyphosphoric acid, giving after purifn. a bluish-red pigment which was easily incorporated into coating materials and had excellent fastness.

IT **10291-28-8 74539-46-1 74539-47-2 74539-50-7 74539-52-9**
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclization of, with acid condensing agent)

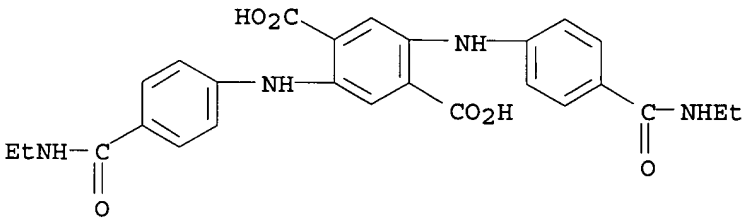
RN 10291-28-8 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



RN 74539-46-1 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[[4-(aminocarbonyl)phenyl]amino]- (9CI) (CA INDEX NAME)

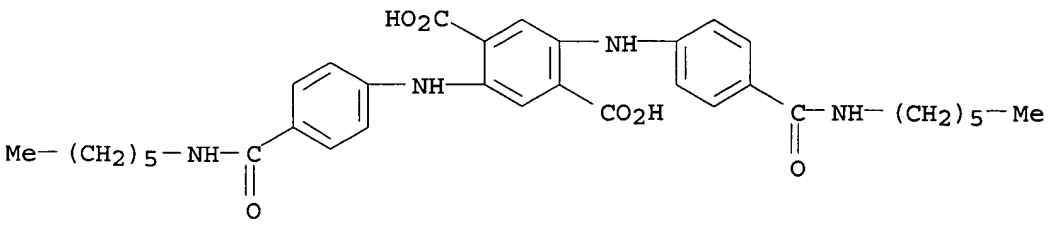


RN 74539-47-2 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[[4-[(ethylamino)carbonyl]phenyl]amino]- (9CI) (CA INDEX NAME)

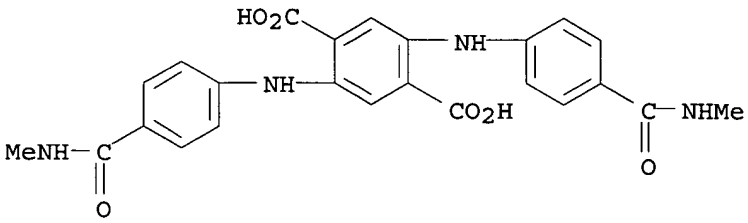


RN 74539-50-7 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[[4-[(hexylamino)carbonyl]phenyl]amino]- (9CI) (CA INDEX NAME)

<N30/09/2003Page 62 16:36 <golam sha <mm/dd/yyyy



RN 74539-52-9 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[[4-[(methylamino)carbonyl]phenyl]amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 39 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1978:106758 CAPLUS
DOCUMENT NUMBER: 88:106758
TITLE: Quinacridone and its derivatives
INVENTOR(S): Gerson, Herman; Santimauro, John Francis; Lerner, Lawrence Robert
PATENT ASSIGNEE(S): Harmon Colors Corp., USA
SOURCE: U.S., 8 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
US 4064129	A	19771220	US 1976-724150	19760917	<--
GB 1542776	A	19790328	GB 1977-37537	19770908	<--
DE 2740710	A1	19780323	DE 1977-2740710	19770909	<--
CH 629838	A	19820514	CH 1977-11157	19770913	<--
JP 53037730	A2	19780407	JP 1977-110642	19770916	<--
JP 60034585	B4	19850809			
FR 2364900	A1	19780414	FR 1977-28023	19770916	<--
FR 2364900	B1	19810320			
BR 7706213	A	19780704	BR 1977-6213	19770916	<--

PRIORITY APPLN. INFO.: US 1976-724150 19760917

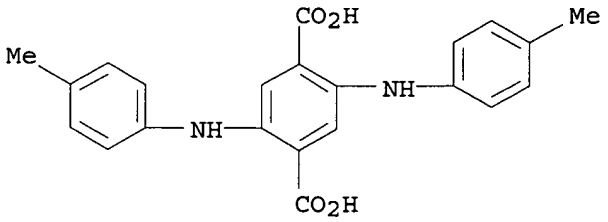
AB Quinacridone (I) [1047-16-1] and its 2,9-dimethyl- [980-26-7] and 2,9-dichloro- [3089-17-6] derivs. are prepd. in high purity and yield by heating the corresponding 2,5-bis(arylamino)terephthalic acid in the presence of a sulfonic acid or HClO4 catalyst in a 2-phase liq. system comprising ethylene glycol (II) [107-21-1] and a H2O- and II-immiscible org. solvent at a temp. sufficient to remove the by-product H2O from the reaction by vaporization. Thus, I was prepd. in 94.4% yield by using II-perchloroethylene [127-18-4] solvent system and p-toluenesulfonic acid

monohydrate [6192-52-5] as catalyst with 2,5-dianilinoterephthalic acid [10109-95-2] as starting material.

IT **10291-28-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclization of, to dimethylquinacridone)

RN 10291-28-8 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 40 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1976:600569 CAPLUS

DOCUMENT NUMBER: 85:200569

TITLE: Light-sensitive color-forming recording material

INVENTOR(S): Tsunoda, Takahiro; Ozutsumi, Minoru; Maeda, Shigeo; Suzuka, Susumu; Komiya, Hidetoshi

PATENT ASSIGNEE(S): Hodogaya Chemical Co., Ltd., Japan; Oji Paper Co., Ltd.

SOURCE: Ger. Offen., 28 pp.
CODEN: GWXXBX

DOCUMENT TYPE: **Patent**

LANGUAGE: German

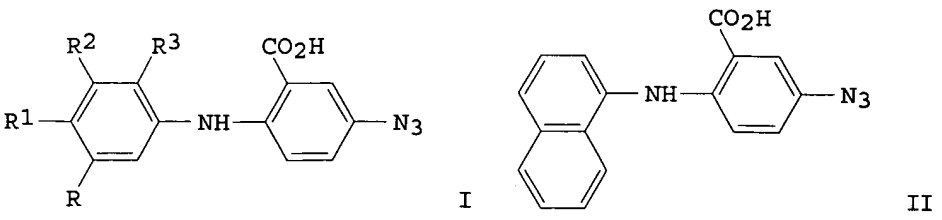
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
DE 2539602	A1	19760325	DE 1975-2539602	19750905	<--
DE 2539602	B2	19770127			
DE 2539602	C3	19770915			
JP 51030723	A2	19760316	JP 1974-102911	19740909	<--
JP 52036697	B4	19770917			
US 4003747	A	19770118	US 1975-610400	19750904	<--

PRIORITY APPLN. INFO.: JP 1974-102911 19740909

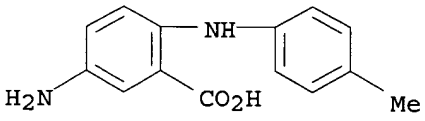
GI



AB A light-sensitive color-forming recording material is described which

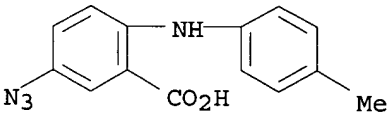
consists of a support coated with a light-sensitive layer contg. a color-forming coupler, an azide I (R,R2 = H, Me; R1 = H, Cl, HO, MeO, Et2N, Me; (R3 = H, MeO) or II, and a binder. This material is esp. useful in prepg. photoresists and printing plates. Thus, a light-sensitive, color-forming soln. composed of II 1.5, 4-methoxy-1-naphthol 1.0, a cresol-modified novolak resin 5.0, and ethylene glycol monomethyl ether 6.5 parts was whirl-coated on a poly(ethylene terephthalate) film support, dried at 50.degree. to give a film thickness of 3.5 .mu., exposed to a neg. for 90 sec at 1 m using a 2 kW superhigh-pressure Hg lamp, and then deveoped with a 1.4% aq. Na3PO4 soln. to remove the nonexposed areas and give a dark green relief image.

IT **61058-65-9**
RL: USES (Uses)
(diazotization and reaction of, with sodium azide)
RN 61058-65-9 CAPLUS
CN Benzoic acid, 5-amino-2-[(4-methylphenyl)amino]-, hydrochloride (9CI) (CA INDEX NAME)



Ox HCl

IT **58211-72-6**
RL: USES (Uses)
(photosensitive color-forming compns. contg. color-forming coupler, phenolic resin binder, and, for photoresists and printing plates)
RN 58211-72-6 CAPLUS
CN Benzoic acid, 5-azido-2-[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 41 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1976:422330 CAPLUS
DOCUMENT NUMBER: 85:22330
TITLE: Lubricant compositions containing N-substituted naphthylamines as antioxidants
INVENTOR(S): Wheeler, Edward L.
PATENT ASSIGNEE(S): Uniroyal, Inc., USA
SOURCE: U.S., 10 pp. Division of U.S. 3,666,716.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

<N30/09/2003Page 65 16:36 <golam sha <mm/dd/yyyy

US 3944492	A	19760316	US 1972-255494	19720522 <--
US 3505225	A	19700407	US 1966-540817	19660407 <--
US 3666716	A	19720530	US 1970-2382	19700112 <--
US 3781361	A	19731225	US 1972-255495	19720522 <--

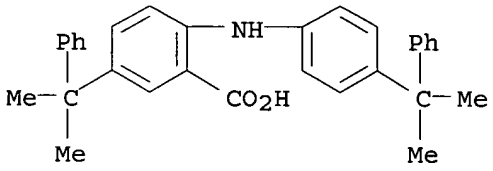
PRIORITY APPLN. INFO.: US 1966-540817 19660407
US 1970-2382 19700112

AB Alkylation of the appropriate diphenylamine or phenylnaphthylamine with the appropriate olefin gave compds. useful as antioxidants or heat stabilizers for thermoplastic polymers, rubbers, and lubricating oils. Thus, Celcon CKX-205 (I) [59537-39-2] (a polyoxymethylene) contg. 0.5% 4-(1,1,3,3-tetramethylbutyl)-4'-triphenylmethyldiphenylamine (II) [17419-18-0] (prepd. by reaction of Ph2NH [122-39-4] with diisobutylene [25167-70-8] followed by reaction of the product with Ph3CCl [76-83-5]) lost 0.84% wt. after 45 min at 230.degree. compared with 31.9 or 2.24% wt. loss for I samples contg. no stabilizer or Santowhite Powder, resp.

IT **17419-21-5**
RL: USES (Uses)
(antioxidants and heat stabilizers, for thermoplastic polymers, rubbers and lubricating oils)

RN 17419-21-5 CAPLUS

CN Benzoic acid, 5-(1-methyl-1-phenylethyl)-2-[[4-(1-methyl-1-phenylethyl)phenyl]amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 42 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1976:52131 CAPLUS
DOCUMENT NUMBER: 84:52131
TITLE: Light-sensitive, color-forming recording material
INVENTOR(S): Tsunoda, Takahiro; Ozutsumi, Minoru; Maeda, Shigeo; Suzuka, Susumu; Komiya, Hidetoshi; Shinohara, Hideaki
PATENT ASSIGNEE(S): Hodogaya Chemical Co., Ltd., Japan; Oji Paper Co., Ltd.
SOURCE: Ger. Offen., 44 pp.
CODEN: GWXXBX
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2450430	A1	19750507	DE 1974-2450430	19741023 <--
DE 2450430	B2	19760311		
DE 2450430	C3	19781214		
JP 50070105	A2	19750611	JP 1973-119543	19731024 <--
JP 51016801	B4	19760527		
JP 51006718	A2	19760120	JP 1974-77407	19740708 <--
JP 52039290	B4	19771004		
US 4019907	A	19770426	US 1974-515571	19741017 <--
GB 1470340	A	19770414	GB 1974-45444	19741021 <--

PRIORITY APPLN. INFO.: JP 1973-119543 19731024

<N30/09/2003Page 66 16:36 <golam sha <mm/dd/yyyy

JP 1974-77407 19740708

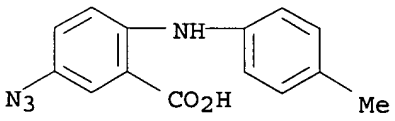
GI For diagram(s), see printed CA Issue.

AB A light-sensitive color-forming recording material composed of a support coated with a layer contg. an azide (I; R = H, alkoxycarbonyl, Me, MeCo, MeSO2, Et2NCO, aryloxysulfonyl, CO2H p-MeOC6H4O2C; R1 = Ph, substituted Ph, 1-naphthyl, substituted 1-naphthyl) and a resin is described. The material is esp. useful for the prepn. of photoresists or relief images for printing. Thus, a soln. contg. I (R = CO2H; R1 = p-MeC6H4) 5, a phenolic resin 8, cyclohexanone 30, and ethylene glycol monoethyl ether 60 parts was coated on a treated 1.0 mm Zn plate at 75 rpm, hot-air dried at 80.degree., exposed for 90 sec through a neg. original at 1 m using a 2-kw super high-pressure Hg lamp, developed in a 2% aq. Na metasilicate soln., and washed to give a hard, black relief image.

IT **58211-72-6**
RL: USES (Uses)
(photosensitive compns. contg. phenolic resins and, for printing plates)

RN 58211-72-6 CAPLUS

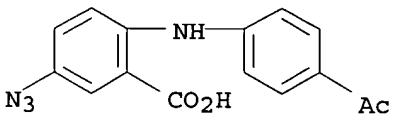
CN Benzoic acid, 5-azido-2-[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



IT **57392-63-9**
RL: USES (Uses)
(photosensitive compns. contg., for photoduplication)

RN 57392-63-9 CAPLUS

CN Benzoic acid, 2-[(4-acetylphenyl)amino]-5-azido- (9CI) (CA INDEX NAME)



L15 ANSWER 43 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1976:43882 CAPLUS

DOCUMENT NUMBER: 84:43882

TITLE: Intermediates for preparing acridines

INVENTOR(S): Anderson, Elvin L.; Graboyes, Harold

PATENT ASSIGNEE(S): Smithkline Corp., USA

SOURCE: U.S., 6 pp. Division of U.S. 3,781,358.
CODEN: USXXAM

DOCUMENT TYPE: **Patent**

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
US 3919312	A	19751111	US 1973-395483	19730910	<--
US 3625945	A	19711207	US 1968-732869	19680529	<--
US 3692834	A	19720919	US 1971-118976	19710225	<--
US 3781358	A	19731225	US 1972-267852	19720630	<--

<N30/09/2003Page 67 16:36 <golam sha <mm/dd/yyyy

PRIORITY APPLN. INFO.: US 1968-732869 19680529
US 1971-118976 19710225
US 1972-267852 19720630

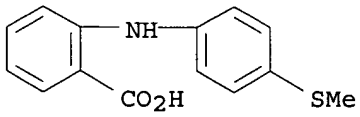
GI For diagram(s), see printed CA Issue.

AB Successive reaction of 4-ClC6H4NHC6H4CO2H-2 with SOCl2 and 4-MeC6H4SO2NHNH2 gave 2-(4-ClC6H4NH)C6H4CONHNHSO2C6H4Me-4, which was refluxed with N2H4.H2O in EtOCH2CH2OH-H2O contg. NaOH to give the azine [2-(4-ClC6H4NH)C6H4CH:N]2; the latter underwent decompn.-cyclization in refluxing HOAc-HCl to give the acridine I (R = 2-Cl) (II). Alternately, acid catalyzed decompn.-cyclization of 2-(4-ClC6H4NH)C6H4CH:NNHCONH2 or 2-(4-ClC6H4NH)C6H4CH:NNHPh gave II. I (R = 2-CF3, 2-Bu, 4-Cl, 4-CF3, 1-Br, 2-Me, 4-MeO, 2-Me2NSO2, H) were prepd. similarly.

IT **35958-19-1 57975-93-6**
RL: RCT (Reactant); RACT (Reactant or reagent)
(acyl chlorination and reaction with toluenesulfonylhydrazine)

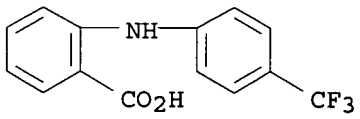
RN 35958-19-1 CAPLUS

CN Benzoic acid, 2-[[4-(methylthio)phenyl]amino]- (9CI) (CA INDEX NAME)



RN 57975-93-6 CAPLUS

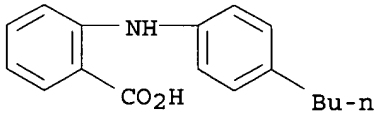
CN Benzoic acid, 2-[[4-(trifluoromethyl)phenyl]amino]- (9CI) (CA INDEX NAME)



IT **17332-55-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, acyl chlorination and reaction with toluenesulfonylhydrazine)

RN 17332-55-7 CAPLUS

CN Benzoic acid, 2-[(4-butylphenyl)amino]- (9CI) (CA INDEX NAME)



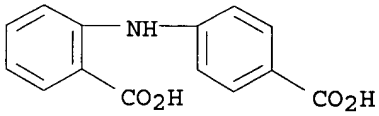
L15 ANSWER 44 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1975:531486 CAPLUS
DOCUMENT NUMBER: 83:131486
TITLE: Acridone carboxylic acids and derivatives
INVENTOR(S): Pfister, Jurg R.; Harrison, Ian T.; Fried, John H.
PATENT ASSIGNEE(S): Syntex (U.S.A.), Inc., USA
SOURCE: U.S., 15 pp. Division of U.S. 3,835,139.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English

<N30/09/2003Page 68 16:36 <golam sha <mm/dd/yyyy

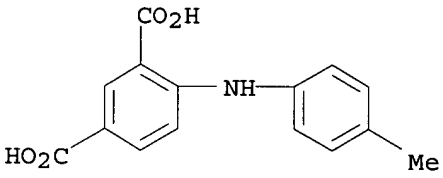
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3886162	A	19750527	US 1974-450352	19740312 <--
US 3835139	A	19740910	US 1972-273291	19720719 <--

PRIORITY APPLN. INFO.: US 1972-273291 19720719
GI For diagram(s), see printed CA Issue.
AB The acridones I (R = H, Me; R1 = H, Me; R2 = H, Me, MeCO, HS, MeSO2, etc.) were prepd. Thus, 2,4-(HO2C)2C6H3Br was treated with p-MeC6H4NH2 to give 2,4-(HO2C)2C6H3NHC6H4Me-p, which was cyclized with H2SO4 to give I (R = R1 = H, R2 = Me). At 100 mg/hr I (R = R2 = H, R1 = Me), reduced histamine diphosphate induced allergy in guinea pigs.
IT **17332-57-9P 54328-68-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and cyclization of)
RN 17332-57-9 CAPLUS
CN Benzoic acid, 2-[(4-carboxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 54328-68-6 CAPLUS
CN 1,3-Benzenedicarboxylic acid, 4-[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 45 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1975:18623 CAPLUS
DOCUMENT NUMBER: 82:18623
TITLE: Mixtures of pigments derived from quinacridone
PATENT ASSIGNEE(S): Farbwerke Hoechst A.-G.
SOURCE: Fr. Demande, 14 pp.
CODEN: FRXXBL
DOCUMENT TYPE: **Patent**
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2154787	A1	19730511	FR 1972-34847	19721002 <--
FR 2154787	B1	19760521		
DE 2148866	A1	19730412	DE 1971-2148866	19710930 <--
JP 48043417	A2	19730623	JP 1972-96705	19720928 <--

JP 57048588	B4	19821016		
IT 967975	A	19740311	IT 1972-29824	19720928 <--
US 3836379	A	19740917	US 1972-293135	19720928 <--
CH 574987	A	19760430	CH 1972-14207	19720928 <--
BR 7206785	A0	19730726	BR 1972-6785	19720929 <--
GB 1404985	A	19750903	GB 1972-45091	19720929 <--

PRIORITY APPLN. INFO.: DE 1971-2148866 19710930

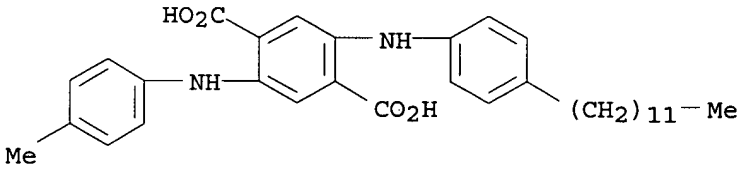
GI For diagram(s), see printed CA Issue.

AB Mixts. of quinacridone pigments I (R = R1 = H, Me, Cl) contg. 0.5-15% quinacridone I (R = dodecyl, heptyl, octadecyl; R1 = H, heptyl)(II) gave pigments of greater color strength transparency, and flocculation resistance than when II was omitted. Thus, a mixt. of aniline [62-53-3] and p-dodecylaniline [104-42-7] was treated with diethyl succinosuccinate [787-07-5] to give 2-anilino-5-(p-dodecylanilino)terephthalic acid (III) [**40703-91-1**], 5 parts III and 95 parts 2,5-bis(p-toluidino)terephthalic acid [**10291-28-8**] were heated in molten AlCl3 to give a pigment mixt. I(R = R1 = Me), I(R = dodecyl, R1 = H) [39456-53-6]. This mixt. had a greater transparency, color strength and flocculation resistance than I (R = R1 = Me) alone.

IT **53642-11-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclization of, in the presence of ditoluidinoterephthalic acid)

RN 53642-11-8 CAPLUS

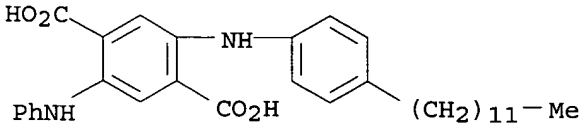
CN 1,4-Benzenedicarboxylic acid, 2-[(4-dodecylphenyl)amino]-5-[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



IT **40703-91-1P 43002-40-0P**
RL: IMF (Industrial manufacture); PREP (Preparation)
(prepn. of)

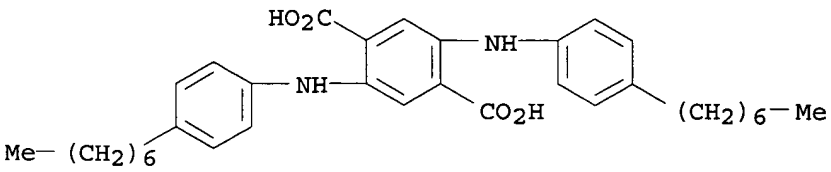
RN 40703-91-1 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2-[(4-dodecylphenyl)amino]-5-(phenylamino)- (9CI) (CA INDEX NAME)

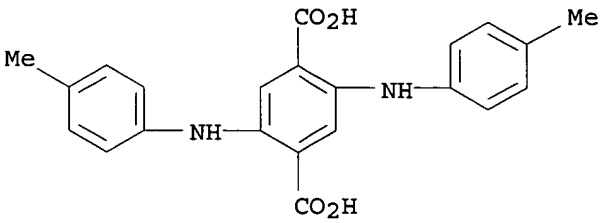


RN 43002-40-0 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-heptylphenyl)amino]- (9CI) (CA INDEX NAME)



IT **10291-28-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with aluminum chloride in the presence of anilino(dodecylanilino)terephthalic acid)
RN 10291-28-8 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)

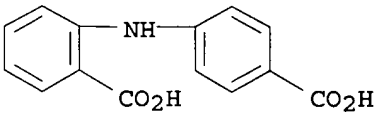


L15 ANSWER 46 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1975:16711 CAPLUS
DOCUMENT NUMBER: 82:16711
TITLE: N-Substituted acridone carboxylic acids and derivatives
INVENTOR(S): Pfister, Jurg R.; Harrison, Ian T.; Fried, John H.
PATENT ASSIGNEE(S): Syntex (U.S.A.) Inc.
SOURCE: U.S., 15 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

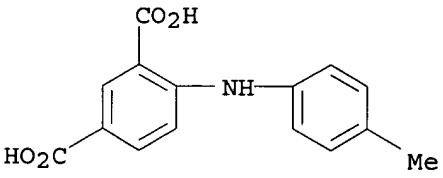
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3835139	A	19740910	US 1972-273291	19720719 <--
GB 1417201	A	19751210	GB 1973-386	19730103 <--
US 3886162	A	19750527	US 1974-450352	19740312 <--

PRIORITY APPLN. INFO.: US 1972-273291 19720719
GI For diagram(s), see printed CA Issue.
AB Antiallergic acridinecarboxylates (I, R = lower alkyl; R1 = lower alkyl, cycloalkyl, alkoxy, alkylthio, SH, CF3; R2 = H, Me, Na, NH4) were prepd. Thus, 4-BrC6H4CO2H and 2-H2NC6H4CO2H were heated with Cu powder and K2CO3 in DMF to give 4-(2-carboxyphenylamino)benzoic acid, which was cyclized in concd. H2SO4 to give I (R-R2 = H). Guinea pigs treated with I (R = Me, R1 = R2 = H) at 100 mg/kg i.p. exhibited a significant resistance to a histamine aerosol challenge.
IT **17332-57-9P 54328-68-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. and cyclization of)
RN 17332-57-9 CAPLUS
CN Benzoic acid, 2-[(4-carboxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 54328-68-6 CAPLUS
CN 1,3-Benzenedicarboxylic acid, 4-[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 47 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1973:526333 CAPLUS
DOCUMENT NUMBER: 79:126333
TITLE: Tricyclic compounds
INVENTOR(S): Hodson, Harold Francis; Batchelor, John Frederick; Gorvin, John Henry
PATENT ASSIGNEE(S): Wellcome Foundation Ltd.
SOURCE: Ger. Offen., 127 pp.
CODEN: GWXXBX
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
DE 2243997	A1	19730315	DE 1972-2243997	19720907	<--
BE 788514	A1	19730307	BE 1972-121776	19720907	<--
FR 2154476	A1	19730511	FR 1972-31756	19720907	<--
JP 48034865	A2	19730522	JP 1972-89979	19720907	<--
AU 7246406	A1	19740314	AU 1972-46406	19720907	<--
ZA 7206109	A	19740424	ZA 1972-6109	19720907	<--
DD 106263	C	19740612	DD 1972-165511	19720907	<--
HU 166527	P	19750328	HU 1972-WE468	19720907	<--
DD 114946	C	19750905	DD 1972-179483	19720907	<--
ES 406458	A1	19751001	ES 1972-406458	19720907	<--
AT 7207680	A	19760715	AT 1972-7680	19720907	<--
AT 335440	B	19770310			
IL 40320	A1	19761231	IL 1972-40320	19720907	<--
PL 94277	P	19770730	PL 1972-157635	19720907	<--
CH 630885	A	19820715	CH 1972-13164	19720907	<--
GB 1414621	A	19751119	GB 1972-8608	19721224	<--
US 3987088	A	19761019	US 1973-338414	19730306	<--
AT 7502942	A	19761015	AT 1975-2942	19750417	<--
AT 337169	B	19770610			

<N30/09/2003Page 72 16:36 <golam sha <mm/dd/yyyy

AT 7502941	A	19761115	AT 1975-2941	19750417 <--
AT 337680	B	19770711		
FI 7600877	A	19760401	FI 1976-877	19760401 <--

PRIORITY APPLN. INFO.:

GB 1971-41852	19710908
GB 1972-8608	19720224
GB 1972-8609	19720224
GB 1972-8610	19720224
GB 1972-14909	19720329
GB 1972-35818	19720801
GB 1972-40079	19720829
GB 1972-33939	19720829
AT 1972-7680	19720907
FI 1972-2465	19720907
US 1972-287042	19720907

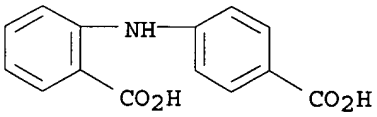
GI For diagram(s), see printed CA Issue.

AB Tricyclic compds. (I) (X = O, NR, CO) and II, were useful in the treatment and inhibition of allergies, e.g., asthma, conjunctivitis, exzema, rhinitis, etc. I and II were prepd. by std. methods, e.g., ring-closures of 2-PhCOC6H4CO2H derivs. and 2-PhC6H4CO2H derivs. and modifications of existing I- and II-type compds. Approx. 60 compds. were prepd., including I (R, R1 and X given): 2-CO2H, 6-CO2H, CO; 2-CO2H, 7-CO2H, O; 2-CO2H, H, NH; and II (R, R1 given): 2-CO2H, 7-CO2H; 2-CO2H, 7-Cl; 2-CN, 7-Ac.

IT **17332-57-9**
RL: RCT (Reactant); RACT (Reactant or reagent)
(ring closure of)

RN 17332-57-9 CAPLUS

CN Benzoic acid, 2-[(4-carboxyphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 48 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1973:99049 CAPLUS
DOCUMENT NUMBER: 78:99049
TITLE: 2,9-Dicarboxyquinacridone
INVENTOR(S): Ehrich, Felix Frederick; Jaffe, Edward Ephraim
PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co.
SOURCE: Ger. Offen., 25 pp.
CODEN: GWXXBX
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2222177	A	19721116	DE 1972-2222177	19720505 <--
US 3726874	A	19730410	US 1971-140983	19710506 <--
US 3752817	A	19730814	US 1971-140984	19710506 <--
CA 969961	A1	19750624	CA 1972-140681	19720426 <--
CA 996935	A1	19760914	CA 1972-140682	19720426 <--
IT 953883	A	19730810	IT 1972-23769	19720429 <--
BE 782958	A1	19721103	BE 1972-117043	19720503 <--
NL 7206112	A	19721108	NL 1972-6112	19720505 <--
FR 2154400	A1	19730511	FR 1972-16145	19720505 <--

<N30/09/2003Page 73 16:36 <golam sha <mm/dd/yyyy

GB 1342702	A	19740103	GB 1972-21004	19720505 <--
JP 49010929	A2	19740130	JP 1972-44261	19720506 <--
CH 587316	A	19770429	CH 1972-6785	19720508 <--
US 3873548	A	19750325	US 1973-338687	19730307 <--
CA 1003840	A2	19770118	CA 1976-245459	19760210 <--

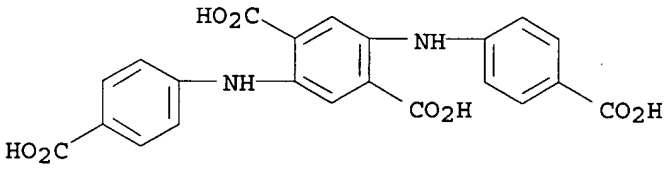
PRIORITY APPLN. INFO.: US 1971-140983 19710506
US 1971-140984 19710506
CA 1972-140682 19720426

AB 2,9-Dicarboxyquinacridone (I) [38615-36-0] was prepd. by several methods and was isolated in two polymorphic forms which were used as heat stable red pigments for mass coloration of plastics. I was prepd. by condensing dialkyl succinosuccinate (II) with 2 moles p-H2NC6H4CO2Et to give dialkyl 2,5-bis(4-carbethoxyanilino)-3,6-dihydroterephthalate (III) which was cyclized to the 6,13-dihydroquinacridone in boiling Dowtherm and then oxidized and hydrolyzed; or by condensing II with 2 moles p-H2NC6H4CO2H to give the 4-carboxy analog of III which was either oxidized and hydrolyzed and then cyclized in polyphosphoric acid or was first cyclized in boiling Dowtherm and then oxidized. I was also prepd. by the hydrolysis of 2,9-bis(trifluoromethyl)quinacridone in H2SO4. The color of a mixt. of polystyrene, TiO2, and I extruded at 320.deg. was only slightly different from that of the bluish pink color of the same mixt. extruded at 200.deg., whereas the red color of a mixt. of polystyrene, TiO2, and quinacridone extruded at 200.deg. was strongly changed by extrusion at 230.deg. and completely destroyed at 320.deg..

IT **41339-16-6P**
RL: IMF (Industrial manufacture); PREP (Preparation)
(prepn. of)

RN 41339-16-6 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-carboxyphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 49 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1973:29493 CAPLUS
DOCUMENT NUMBER: 78:29493
TITLE: Pharmacologically active substituted o-aminobenzoylhydrazines
PATENT ASSIGNEE(S): Ferlux
SOURCE: Fr. Demande, 35 pp.
CODEN: FRXXBL
DOCUMENT TYPE: **Patent**
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2104930	A1	19720428	FR 1970-32533	19700908 <--
FR 2104930	A5	19720428		
FR 2104930	B1	19740830		
CH 548988	A	19740515	CH 1971-12903	19710902 <--

DE 2144566	A	19720323	DE 1971-2144566	19710906 <--
BE 772296	A1	19720307	BE 1971-107896	19710907 <--
US 3814772	A	19740604	US 1971-178383	19710907 <--
NL 7112379	A	19720310	NL 1971-12379	19710908 <--
JP 48056644	A2	19730809	JP 1972-79048	19720807 <--

PRIORITY APPLN. INFO.: FR 1970-32533 19700908

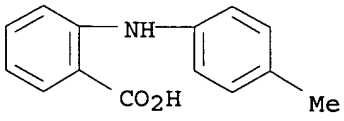
GI For diagram(s), see printed CA Issue.

AB About 40 benzoylhydrazines (I; R = substituted phenyl, aralkyl, 3-furylmethyl, Bu, substituted benzoyl; R1 = H, Cl; R2 = H, Cl; R3 = H, Me, Cl), with analgesic activities in mice, are prepd. from the corresponding N-substituted anthranilic acids. The anthranilic acids react with COCl2 to form the isatoic anhydrides II which with N2H4 give I.

IT **16524-23-5 39492-53-0**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with phosgene)

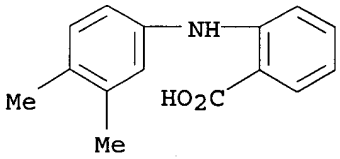
RN 16524-23-5 CAPLUS

CN Benzoic acid, 2-[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



RN 39492-53-0 CAPLUS

CN Benzoic acid, 2-[(3,4-dimethylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 50 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1972:448102 CAPLUS

DOCUMENT NUMBER: 77:48102

TITLE: N-(4-.alpha.,.alpha.-dimethylbenzylphenyl)-1-(.alpha.,.alpha.-dimethylbenzyl)-2-naphthylamine as a synthetic lubricant stabilizer

INVENTOR(S): Wheeler, Edward L.

PATENT ASSIGNEE(S): Uniroyal, Inc.

SOURCE: U.S., 9 pp. Division of U.S. 3,305,225.
CODEN: USXXAM

DOCUMENT TYPE: **Patent**

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

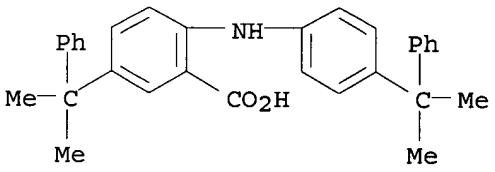
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3649690	A	19720314	US 1968-787577	19681227 <--
US 3758519	A	19730911	US 1971-163443	19710716 <--
US 3751472	A	19730807	US 1971-164144	19710719 <--

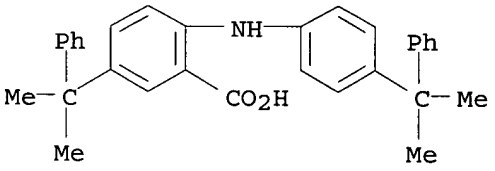
PRIORITY APPLN. INFO.: US 1966-540817 19660407
US 1968-787577 19681227

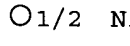
<N30/09/2003Page 75 16:36 <golam sha <mm/dd/yyyy

GI For diagram(s), see printed CA Issue.
AB Division of U.S. 3,305,225. Substituted diphenylamines I and naphthylphenylamines II, useful as antioxidants for polymers, were prepd. by alkylation and/or substitution reactions. Alkylation of Ph2NH gave I (R = R3 = PhCMe2, R1 = R2 = H) which was brominated to give I (R = R3 = PhCMe2, R1 = R2 = Br). Other I prepd. included (R, R1, R2, R3 given): Me3CCH2CMe2, H, H, Ph3C; H, Me(CH2)3CHMe, H, Ph3C; H, Me(CH2)5CHMe, H, PhCMe2. II prepd. were (R, R1 given): PhCMe2, H; PhCMe2, PhCMe2. Also prepd. was N-[p-(.alpha.,.alpha.-dimethylbenzyl)phenyl]-1-naphthylamine.
IT **17419-21-5P 17419-22-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 17419-21-5 CAPLUS
CN Benzoic acid, 5-(1-methyl-1-phenylethyl)-2-[[4-(1-methyl-1-phenylethyl)phenyl]amino]- (9CI) (CA INDEX NAME)



RN 17419-22-6 CAPLUS
CN Benzoic acid, 5-(1-methyl-1-phenylethyl)-2-[[4-(1-methyl-1-phenylethyl)phenyl]amino]-, nickel(2+) salt (2:1) (9CI) (CA INDEX NAME)





L15 ANSWER 51 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1972:72237 CAPLUS
DOCUMENT NUMBER: 76:72237
TITLE: 2-(Acylamino)-6-(arylamino)benzoic acids
INVENTOR(S): Fujimura, Hajime; Suzuki, Kenji; Asai, Masaru; Asano, Osamu
PATENT ASSIGNEE(S): Sanwa Chemical Laboratories
SOURCE: Ger. Offen., 20 pp.
CODEN: GWXXBX
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2128381	A	19711216	DE 1971-2128381	19710608 <--

DE 2128381	C3	19791129		
DE 2128381	B2	19790405		
JP 48017267	B4	19730528	JP 1970-49666	19700609 <--
US 3867437	A	19750218	US 1971-145468	19710520 <--
NL 7107358	A	19711213	NL 1971-7358	19710528 <--
SE 366542	B	19740429	SE 1971-7336	19710607 <--
GB 1320484	A	19730613	GB 1971-19492	19710608 <--
CH 555806	A	19741115	CH 1971-8576	19710608 <--

PRIORITY APPLN. INFO.: JP 1970-49666 19700609

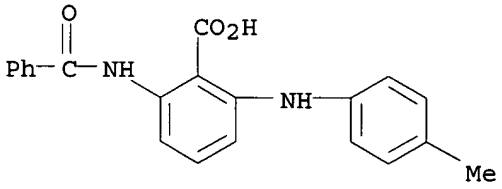
GI For diagram(s), see printed CA Issue.

AB Title compds. (I) were prepd. by reaction of N-acyl-6-haloanthranilic acids with corresponding amines RNH2 and used as purgatives. Thus, 2,6-I(BzNH)C6H3CO2H reacted with PhNH2 in aq. DMF in the presence of K2CO3 for 3 hr on a steam bath to give 80% I (R = R1 = Ph) (II). Similarly prepd. were 39 addnl. I, e.g. (R and R1 given): Ph, Me; Ph, PhCH:CH; p-MeOC6H4, p-ClC6H4; Ph, furyl; 2,3-Me2C6H3, Ph. The purgative activity of 40 I was tested in mice, e.g. ED50 of II was 23.0 mg/kg on i.p. administration and 64.0 mg/kg on oral administration. LD50 of II was 810 mg/kg on oral administration.

IT **35118-90-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 35118-90-2 CAPLUS

CN Benzoic acid, 2-(benzoylamino)-6-[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 52 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1970:43180 CAPLUS

DOCUMENT NUMBER: 72:43180

TITLE: Analgesic and antiinflammatory N-(2,3,5,6-tetrafluorophenyl)anthranilic acid derivatives

INVENTOR(S): Gittos, Maurice W.; James, John W.

PATENT ASSIGNEE(S): Aspro-Nicholas Ltd.

SOURCE: Brit., 15 pp.
CODEN: BRXXAA

DOCUMENT TYPE: **Patent**

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

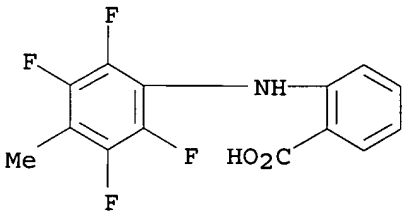
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1166861		19691015	GB	19660115 <--
DE 1593737			DE	
FR 6873			FR	
US 3531493		19700000	US	<--

AB The title compds. (I), powerful antiinflammatory and analgesic agents, are prepd. A mixt. of 7.8 g o-ClC6H4CO2H, 5.3 g Et3N, 5.75 g 2,3,5,6-F4C6HNH2 and 1 g finely divided Cu bronze was stirred 3 hr at 90-100.degree.,

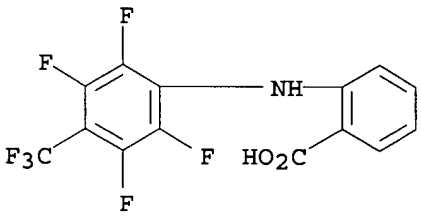
treated with 30 ml 2N HCl, filtered and processed to give I (R = CO2H) (II), m. 119-21.degree. (aq. MeOH). Refluxing a mixt. of 5 g II, 3.4 g Et2N(CH2)2Cl.HCl, 5 ml Et3N, 8.8 ml EtOH and 36 ml AcOEt 52 hr gave I (R = CO2CH2CH2N et2).HCl, m. 174-6.degree.. From 15 g II, 6.26 g SOCl2, and 50 ml C6H6 was obtained the acid chloride which with EtOH gave I (R = CO2Et), m. 100-2.degree. (aq. EtOH) . I (R = CONHNH2) (III), m. 161-6.degree. (MeOH), was prepd. by refluxing a mixt. of I (R = CO2Me), N2H4.H2O, and BuOH 3 hr. Addn. of 19.2 ml 12.5% wt/wt COCl2 in PhMe to 5.3 g III in 100 ml AcOH at 0.degree. and keeping at room temp. overnight gave 5-[o-(2,3,5,6-tetra - fluoroanilino)phenyl]-1,3,4-oxadiazol-2-one, m. 252-6.degree. (EtOH).

IT **25922-30-9 25922-31-0**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(antiinflammatory activity of)

RN 25922-30-9 CAPLUS
CN Anthranilic acid, N-(2,3,5,6-tetrafluoro-p-tolyl)- (8CI) (CA INDEX NAME)



RN 25922-31-0 CAPLUS
CN Anthranilic acid, N-(.alpha.,.alpha.,.alpha.,2,3,5,6-heptafluoro-p-tolyl)- (8CI) (CA INDEX NAME)



L15 ANSWER 53 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1969:491107 CAPLUS
DOCUMENT NUMBER: 71:91107
TITLE: N-(4-Carboxyphenyl)anthranilic acids
PATENT ASSIGNEE(S): Italfarmaco S.p.A.
SOURCE: Brit., 4 pp.
CODEN: BRXXAA
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

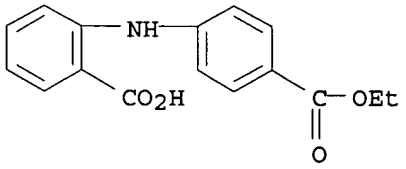
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

GB 1158954 19690723 <--
FR 6054 FR
US 3511873 19700000 US <--
PRIORITY APPLN. INFO.: IT 19660903

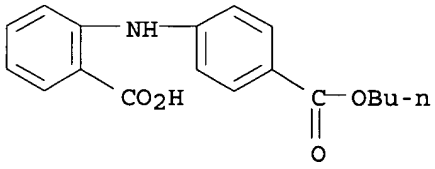
AB The title compds. o-HO2CC6H4NHC6H4CO2R-p (Ia, R = H) (I) and derivs. are prepd. by condensing an alkali metal salt of o-bromobenzoic acid with an C1-4 alkyl ester of p-aminobenzoic acid, in the presence of a proton acceptor and a Cu catalyst, in a solvent at 75-150.degree.. Thus, 15 g. o-BrC6H4CO2K, 20.76 g. p-H2NC6H4CO2Et, 0.400 g. Cu (OAc)2 and 150 ml. amyl alc. was refluxed 4 hrs. to give 5.65 g. i, m. 175.5-6.5.degree.. Similarly prepd. Ia were (R and m.p. given): Bu 119.5-20.5.degree., tert--Bu 164.5-5.5.degree..

IT **17332-29-5P 17332-31-9P 17332-32-0P**
17332-57-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

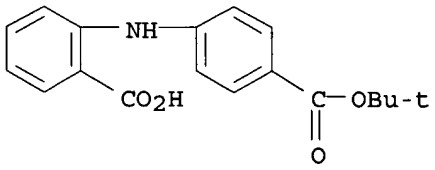
RN 17332-29-5 CAPLUS
CN Benzoic acid, 2-[[4-(ethoxycarbonyl)phenyl]amino]- (9CI) (CA INDEX NAME)



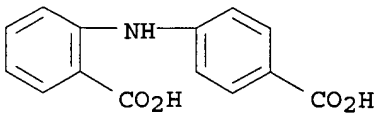
RN 17332-31-9 CAPLUS
CN Benzoic acid, 2-[[4-(butoxycarbonyl)phenyl]amino]- (9CI) (CA INDEX NAME)



RN 17332-32-0 CAPLUS
CN Benzoic acid, 2-[[4-[(1,1-dimethylethoxy)carbonyl]phenyl]amino]- (9CI) (CA INDEX NAME)



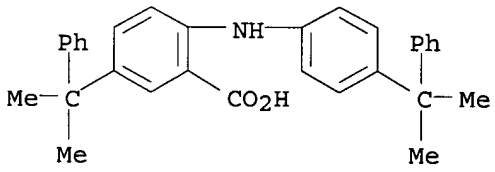
RN 17332-57-9 CAPLUS
CN Benzoic acid, 2-[(4-carboxyphenyl)amino]- (9CI) (CA INDEX NAME)



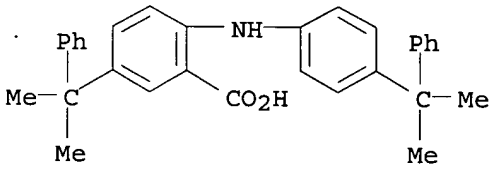
L15 ANSWER 54 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1968:418819 CAPLUS
DOCUMENT NUMBER: 69:18819
TITLE: Substituted diphenylamines for use as antioxidants in plastics and lubricants
PATENT ASSIGNEE(S): Uniroyal, Inc.
SOURCE: Brit., 18 pp.
CODEN: BRXXAA
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
GB 1112784		19680508			<--
CA 912734			CA		
DE 1618020			DE		
FR 1513990			FR		
FR 1517301			FR		
US 3505225		19700000	US		<--
US 3666716		19720000	US		<--
US 3751472		19730000	US		<--
US 3758519		19730000	US		<--
US 3781361		19730000	US		<--

PRIORITY APPLN. INFO.: US 19660407
GI For diagram(s), see printed CA Issue.
AB Derivs. of Ph2NH or phenylnaphthylamine alone or in combination with each other, or with 3,3'-thiodipropionates are prepd. for use as antioxidants in plastics and lubricants. Thus, 84.5 g. Ph2NH and 13 g. montmorillonite clay was refluxed in 100 ml. C6H6. H2O was removed by azeotropic distn. until the temp. reached 130.degree., when 124 g. .alpha.-methylstyrene was added dropwise during 20 min. The mixt. was stirred for 4 hrs. at 130-5.degree. to give 75% I(R1 = R3 = R4 = R6 = Me, R2 = R5 = Ph), m. 101-2.degree.. I, II, and III were tested as stabilizers by blending with Celcon CKX-205, unstabilized acetal polymer, on a Waring Blendor at 0.5%, heating the samples at 230.degree. for 45 min. in an open cup and detg. the % wt. loss (R1, R2, R3, R4, R5, R6, % wt. loss given): Me, Ph, Me, Me, Ph, Me, 0.92; Me, Ph, Ph, Me, Ph, Ph, 0.94; Me, neopentyl, Me, Ph, Ph, Ph, 0.84. Results for II and III were 0.74 and 0.86, resp. A control sample without stabilizer lost 31.9% and a comparative test with 4,4'-butylidenebis(6-tert-butyl-m-cresol), Santowhite, showed a loss of 2.24%. The stabilizers were used in polyethylene, polypropylene, ethylene-propylene-nonconjugated diene terpolymers, bis(2-ethylhexyl) sebacate lubricant, and acrylonitrile-butadienestyrene (when used with dilauryl 3,3'-thiodipropionate).
IT **17419-21-5 17419-22-6**
RL: RCT (Reactant); RACT (Reactant or reagent)
(as antioxidant for lubricating oils and polymers)
RN 17419-21-5 CAPLUS
CN Benzoic acid, 5-(1-methyl-1-phenylethyl)-2-[[4-(1-methyl-1-phenylethyl)phenyl]amino]- (9CI) (CA INDEX NAME)



RN 17419-22-6 CAPLUS
CN Benzoic acid, 5-(1-methyl-1-phenylethyl)-2-[[4-(1-methyl-1-phenylethyl)phenyl]amino]-, nickel(2+) salt (2:1) (9CI) (CA INDEX NAME)



O1/2 Ni(II)

L15 ANSWER 55 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1966:474002 CAPLUS
DOCUMENT NUMBER: 65:74002
ORIGINAL REFERENCE NO.: 65:13853h,13854a-d
TITLE: Quinacridone pigments
INVENTOR(S): Chen, Chung C.
PATENT ASSIGNEE(S): E. I. du Pont de Nemours & Co.
SOURCE: 5 pp.
DOCUMENT TYPE: **Patent**
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3261836		19660719	US	19600817 <--

GI For diagram(s), see printed CA Issue.
AB The title materials are obtained by heating compds. corresponding to formula I in .gtoreq.55% H2SO4 to form quinacridonesulfonic acids which are desulfonated by heating at about 200.degree. under pressure in 20-30% H2SO4 to give .gamma.-quinacridone (II) or in 40-5% H2SO4 to give .gamma.-quinacridone (III). Alternatively, ring closure can be effected in the presence of p-MeC6H4SO3H (IV). Thus, a soln. of 15 parts I (R = X = Y = H) (V) in 180 parts 96% H2SO4 was heated and stirred to 150.degree. in 30 min., held at 150.degree. for 15 min., cooled to room temp., and 210 parts H2O added slowly to reduce the H2SO4 concn. to .apprx.45%. The mixt. was sealed in glass and heated at 300.degree. for 7 hrs., cooled to room temp., opened, washed into 1000 parts H2O, filtered, and washed with dil. NaOH and H2O to yield 13.5 parts bluish red III. Similar treatment except that the H2SO4 was dild. to 25% rather than 45% gave an identical yield of red II. When 3.5 parts III was added to the 25% H2SO4 desulfonation mixt. prior to heating, the product was predominantly III.

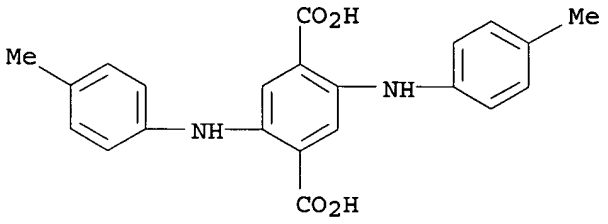
<N30/09/2003Page 81 16:36 <golam sha <mm/dd/yyyy

Alternatively, 15 parts V was heated to 145.degree. with 45 parts IV.H2O in 1 hr. and held at 145-50.degree. for 1.5 hrs. with vigorous stirring, cooled, and poured into dil. NaOH to yield 10.9 parts III. Similarly, IV.H2O 3, V 10, and 1,2,3-C6H3Cl3 160 parts were heated at 210.degree. for 3 hrs., the ppt. filtered from the hot soln., washed, and dried to yield 6.6 parts III. Substitution of 130 parts o-C6H4Cl2 gave 3.8g. III. The dihydro deriv. of I (R = Et, X = Y = H) (15 parts) was added to 110 parts 30% oleum with vigorous stirring while the temp. rose to 120.degree.. After 15 min. the mixt. was cooled in an ice bath, dild. with 50 parts H2O, the red ppt. filtered, washed with 100 parts 80% H2SO4, and desulfonated by heating at 300.degree. with 120 parts 30% H2SO4 for about 6 hrs. to yield 6.9 parts III; when 20% H2SO4 was used, 7.0 parts II was obtained. Similar results were obtained by using 180 parts of coned. H2SO4 in place of oleum. The quinacridones corresponding to I (R = Y = H, X = Cl) and (R = X = II, Y = Me) were obtained similarly.

IT **10291-28-8**, Terephthalic acid, 2,5-di-p-toluidino-
(cyclization of)

RN 10291-28-8 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L15 ANSWER 56 OF 56 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1960:9189 CAPLUS

DOCUMENT NUMBER: 54:9189

ORIGINAL REFERENCE NO.: 54:1877c-i,1878a-e

TITLE: Aromatic tricyanovinyl derivatives

INVENTOR(S): Heckert, Richard E.

PATENT ASSIGNEE(S): E. I. du Pont de Nemours & Co.

DOCUMENT TYPE: **Patent**

LANGUAGE: Unavailable

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
US 2889335		19590602	US		<--
DE 1099671			DE		

AB A series of new, cryst., substantive dyes for natural and synthetic fibers of the general formula p-RR'-NC6H4C(CN):C(CN)2 (I), where R is H, hydrocarbon, or substituted hydrocarbon, and R' is hydrocarbon or substituted hydrocarbon, was prepd. Thus, p-Me2NC6H4CH:C(CN)2 (II) 20 and KCN 13 in 50% aq. EtOH 180 heated 3-4 min. on the steam bath with stirring, filtered, dild. with H2O 200 contg. AcOH 21 parts, and filtered yielded p-Me2NC6H4CH(CN)CH(CN)2 (III), m. 138-9.degree. (60% aq. EtOH). III 20 in AcOH 210 heated 2 hrs. with stirring at 100.degree. with Pb(OAc)4 44, dild. with AcOH 52, and cooled slowly to room temp. gave p-Me2NC6H4C-(CN):C(CN)2 (IV) 7.8 parts, dark blue needles, .lambda.max. 515 m.mu. (.epsilon. 36,200). Bz2O2 will also oxidize III to IV.

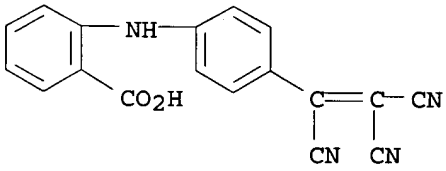
[:C-(CN).2]2 (V) 10 in tetrahydrofuran 266 treated dropwise with PhNHMe 12.8, the solvent boiled off on the steam bath, and the residue recrystd. from MeOH gave p-MeNHC6H4C(CN):C(CN)2 20 parts, bright blue solid, .epsilon.500 33,250. V 10 in dry tetrahydrofuran 178 treated with PhNMe2 19.3, refluxed on the steam bath, and evapd. gave IV 16 parts, .epsilon.515 33,750. V 50 and 2,6-Me2C6H3NH2 50, gave 3,5,4-Me2(H2N)C3H3C(CN):C(CN)2 45 parts, brilliant dark blue, m. 288-9.degree. (MeNO2), .epsilon.500 35,500. V 128 and 1-methylpyrrole 89 gave 1-methyl-2-(tricyanovinyl)pyrrole 130 parts, bright yellow, m. 182-3.degree. (EtOH), .epsilon.388 18,200. V 128 and pyrrole 67 gave 2-(tricyanovinyl)pyrrole 75 parts, yellow-orange, m. 211-13.degree. with some decompn. starting at 205.degree., .epsilon.428 25,700. MePhN(CH2)2CN 56 and V 50 gave p-Me(NCCH2CH2)NC6H4C(CN):C(CN)2 18 parts, m. 159-60.degree., .epsilon.498 30,500. V 50 and BuPhN(CH2)2CN 71 gave about 66%-pure p-Bu(NCCH2CH2)NC6H4C(CN):C(CN)2 52 parts, m. 128-9.degree., .epsilon.505 35,000 (approx.). V 50 and tetrahydroquinoline 50 gave 6-tricyanovinyl-1,2,3,4-tetrahydroquinoline 65 parts, m. 187.degree., .epsilon.525 24,300 (70% pure). Ph2NH 70 and V 50, yielded p-PhNHC6H4C(CN):C(CN)2 63 parts, m. 157-8.degree., .epsilon.512 37,000. V 50 and PhNHCH2CH2OH 55, gave p-HOCH2CH2NHC6H4C(CN):C(CN)2, red-brown, m. 162-3.degree., .epsilon.502 32,600. V 50 and PhNHCH2CH2CN 58, gave p-NCCH2CH2NHC6H4C(CN):C(CN)2 (VI), 33.5 parts, m. 131-2.degree., .epsilon.437 32,900. V 42 and o-MeC6H4NHCH2CH2CN 53, gave 3,4-Me(NCCH2CH2NH)C6H3C(CN):C(CN)2 37.8 parts, m. 161-2.degree., .epsilon.485, 30,300. V 50 and 2,6-Me2C6H3OH 48, gave 3,5,4-Me2(HO)C6H2C(CN):C(CN)2 (VII) 27 parts, black crystals, m. 184-5.degree., which on heating or exposure to air become red and finally orange; the mother liquor gave 2nd crop 47 parts; the combined black VII recrystd. twice from AcOH gave VII 25 parts, orange needles, m. 182-3.degree. (decompn.); bright yellow in dil. acid and deep burgundy in alkali, .epsilon.538 48,000 (EtOH contg. 5% Et3N), .epsilon.426 21,200 (EtOH contg. 1% AcOH). V 9.5 and PhNEt2 10 gave p-Et2NC6H4C(CN):C(CN)2, dark blue, m. 164.degree. (AcOH), .epsilon.521 46,500; it gives red dyeings on Dacron fibers and blue-red dyeings on Orlon; when boiled in an aq. dye bath of pH 4, it is 50% destroyed in 5.5 hrs. Similarly were prepd. the following I (R, R', m.p., absorption max. in Me2CO in m.mu., and mol. extinction coeff. given): HO2CCH2, H, 235-7.degree., 488, 37,100; iso-Am, H, 120-1.degree., 503, 44,400; PhCH2, H, 150-1.degree., 498, 417,500; o-HO2CC6H4, H,215-16.degree., 483, 27,400; 1-C10H7, H, 210-12.degree., 498, 36,800; ClCH2CH2, Et, 152-3.degree., 507, 43,300; NCCH2CH2, Me, 174-5.degree., 502, 40,000; NCCH2CH2, Et, 159-60.degree., 507, 42,300; NCCH2CH2, NCCH2CH2, 156.degree., 488, 37,200; NCCH2CH2, BzOCH2OCH2CH2, NCCH2CH2, 157-8.degree., 495, 40,300; Pr, Pr, 138-9.degree., 524, 47,300; Bu, Bu, 126-7.degree., 525, 47,100; PhCH2, PhCH2, 167-8.degree., 507, 44,500; BzOCH2CH2, BzOCH2CH2, 185.degree., 505, 41,700; Me, Ph, 108-9.degree., 509, 40,900; Et, Ph, 147-8.degree., 511, 43,500; C6H13, Ph, 88-9.degree., 513, 43,900; C12H25, Ph, 77-8.degree., 513, 43,400; Ph, Ph, 174-5.degree., 513, 34,600; and N-(p-tricyanovinylphenyl)morpholine, 188-9.degree., 507, 35,900; p-tricyanovinyljujolidine, 265-6.degree., 555, 47,200; bis{2-[N-methyl-4-(tricyanovinyl)anilino]ethyl} terephthalate, 284-5.degree., 519, 69,100; 3-(tricyanovinyl)indole, 275-6.degree., 453, 20,700. m-ClC6H4COCl 61 added gradually with stirring to MePhNCH2CH2OH 50 in C5H5N 150 at 50-60.degree., stirred 5 min. at 80.degree., cooled to 25.degree., treated gradually with V 44 at 25-35.degree., stirred 5 min. at 55.degree., cooled to 5.degree., treated with AcOH 250, poured with stirring into ice and H2O 2500, and filtered gave 4-Me(m-ClC6H4CO2CH2CH2)NC6H4C(CN):C(CN)2 64 parts, m. 131-6.degree.; it gave red dyeings with Orlon and Dacron fibers; .epsilon.510 40,200; only 17% dye is destroyed when refluxed 22 hrs. in a bath at pH 4. Similarly were prepd.

the following compds. p-[RCO2CH2CH2N(Me)]C6H4C(CN):C(CN)2 (R, m.p., .lambda.max. in m.mu., and mol. extinction coeff. given): EtO2C(CH2)4, 80-2.degree., 510, 41,600; Et2CH, 94-101.degree., 510, 42,600; iso-Bu, 122-5.degree., 510, 43,400; Ph, 141-2.degree., 510, 40,600; p-MeC6H4, 144-5.degree., 511, 41,600; 4,3-Me(O2N)C6H3, 153-4.degree., 510, 40,600; 1-C10H7, 179-85.degree., 512, 38,200. IV 3 in HCONMe2 50 added to Na dodecyl sulfate 10 in boiling H2O 1000 parts, heated with stirring at 90-5.degree. until a uniform dispersion is obtained, and skeins of cellulose acetate fibers soaked and stirred 15 min. in this mixt., washed, and dried gave a bright red, light-fast dyeing.

IT **101579-41-3**, Anthranilic acid, N-[p-(tricyanovinyl)phenyl]- (prepn. of)

RN 101579-41-3 CAPLUS

CN Anthranilic acid, N-[p-(tricyanovinyl)phenyl]- (6CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	263.77	713.28

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-36.46	-36.46

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